

WHEAT LIFE

The official publication of the Washington Association of Wheat Growers

MARCH | 2019



OLYMPIA DAYS 2019

**28 GROWERS. 50 MEETINGS. 2 DAYS.
WAWG BRINGS WHEAT'S MESSAGE
TO STATE'S LEGISLATORS**

WHEAT LIFE

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The official publication of



**WASHINGTON
ASSOCIATION OF
WHEAT GROWERS**

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President's Perspective



Why we are members of NAWG

By Jeffrey Shawver

It was a couple months late, but it looks like winter has finally caught up with Eastern Washington. In Connell, where I live, we got about 12 inches of snow in just a few days last month. I'm thankful for the moisture, even if it did temporarily close schools and make traveling a little more difficult. I know my wheat will eventually benefit from the snow, even if right now, that same snow causes me some inconvenience.

That same idea rings true when I think about all the travelling I've done lately. Myself and the other Washington Association of Wheat Growers' (WAWG) officers and staff spent much of February flying back and forth to the East Coast to talk to Congress and top agency officials. It was inconvenient and tiring, but in the long run, all that hard work will pay off through the relationships we've established and the influence our organization has to get our issues heard. But we aren't doing it alone. We get an enormous amount of help from the National Association of Wheat Growers (NAWG).

You've probably heard me talk about NAWG before and maybe wondered exactly what that organization does. NAWG is the primary representative in Washington, D.C., for 21 wheat-growing states and is led by a board of growers that provides direction to the organization. NAWG also has a small staff whose job is to monitor policymaking on the Hill; provide information from the wheat industry to Congress; and keep the state organizations up to date with what's happening in our nation's capital. Those staff members are in constant contact with members of Congress and agency staff. It is through the actions of NAWG that wheat was able to get a seat at the farm bill table and get some of our concerns addressed. NAWG has also helped us highlight the falling numbers issue and secure funding for falling numbers research. As a member of NAWG, WAWG pays dues based on our state's annual wheat production. Those dues give us the right to have some of our officers sit on NAWG committees and help shape NAWG's policies.

We work very well with NAWG, and we've been well represented in that organization's ranks, as several Washington growers have served one-year terms as president. Currently, Nicole Berg, one of our growers from Benton County, is going through the leadership chairs. She'll be NAWG president in a few years.

In Washington state, the wheat industry is big enough that we can make some noise when necessary. But in the other Washington, we are a very small fish in a very big ocean, and that's where NAWG really shines. With the backing of 21 states, NAWG is a strong voice and has the influence to open doors. It's with NAWG's help that we've been able to meet with White House officials, members of the Senate and House ag committees and top U.S. Department of Agriculture officials. Those doors wouldn't necessarily be open to us otherwise. Among the wheat-growing states, we don't always agree on how to tackle issues—or even have the same issues—but one thing's for certain. NAWG is always working for the best interests of the wheat industry as a whole, and when we work together, we get things done! ■

Cover photo: In late January, the Washington Association of Wheat Growers (WAWG) held its annual Olympia Days trip. A group of WAWG leaders, staff and members spent two days in Olympia visiting legislators from both sides of the aisle to talk about the issues facing the state's wheat industry. To learn more about the trip, see page 26. All photos are Shutterstock images or taken by *Wheat Life* staff unless otherwise noted.

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LEVELS OF MEMBERSHIP

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Industry Associate \$150	X	X	X			

WAWG's current top priorities are:

- ✓ Preserving the Snake River dams.
- ✓ Maintaining a safe and sound transportation system that includes rail, river and roads.
- ✓ Establishing favorable trade agreements.
- ✓ Fighting mandatory carbon emission regulations.
- ✓ Fighting unreasonable notification and reporting requirements for pesticide applications.

If these issues are important to your operation, become a member today and help us educate our legislators and advocate for agriculture. We are making sure the wheat industry's voice is heard.

More member benefits:

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WAWG at WORK

ADVOCATING FOR THE WHEAT FARMERS OF EASTERN WASHINGTON

D.C. priorities are focus of February state board meeting

February's Washington Association of Wheat Growers' (WAWG) state board meeting was primarily concerned with reporting on the January advocacy trip to Olympia and reviewing national priorities in preparation for the board's upcoming trip to Washington, D.C.

A recap and photos of the Olympia trip are on pages 26-31. A recap and photos of the Washington, D.C., trip are on pages 32-37.

Two guests, Chris Mertz, regional director of the National Agricultural Statistics Service's Northwest Regional Field Office, and Ben Thiel, director of the Risk Management Agency's (RMA) Spokane Regional Office, stopped by to talk about what their agencies were doing and how they were recovering from the recent federal government shutdown. Thiel also touched on 2019 Farm Bill implementation, saying his agency's immediate priorities are those items in the farm bill that direct the RMA to take some action.

Glen Squires, CEO of the Washington Grain Commission (WGC), updated the board on the current trade situation. He said the mark-up on U.S. wheat (compared to Canadian and Australian wheat) going to Japan is starting to take effect, and that U.S. Wheat Associates, the marketing arm of the U.S. wheat industry, is spending time and effort to get the message out that one of the most important wheat export markets—Japan—is threatened by the U.S. not being part of the Comprehensive and Progressive Agreement for Trans-Pacific Partnership. By some accounts, U.S.

wheat exports to Japan could be cut in half as millers there reformulate to use other countries' wheat instead of U.S. wheat.

Gary Bailey, chairman of the WGC, reported on a recently falling numbers conference he attended. He said researchers are working on breeding the trait out of varieties. The industry is also working on testing methods that would allow elevators to quickly identify low falling number wheat in order to segregate it.

"I'm impressed with the number of people working on the process, but its going to take some time," Bailey said.

WAWG lobbyist Diana Carlen also called in with a state legislative update. The next state board meeting is scheduled for Tuesday, March 12. ►



SPOKANE AG EXPO 2019: Past Washington Wheat Ambassador Hallie Galbreath stopped by the Washington Association of Wheat Growers' (WAWG) booth at the 2019 Spokane Ag Expo Feb. 5-7. Also shown are Gary Bailey (left) and Randy Suess, volunteers who manned the booth. Visitors spun a wheel to answer a wheat-related trivia question and were entered to win a television. The winner of the television was Lance Lindgren of Oakesdale, Wash. Other giveaways included licorice, ice scrapers, letter openers, rulers, etc. Membership forms and industry materials were provided, and WAWG programs including the Agricultural Marketing and Management Organization (AMMO) were promoted. AMMO was a sponsor of the Farm Forum, receiving recognition on materials and event signage.

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Franklin County growers meet in February

A handful of growers showed up for last month's meeting of the Franklin County wheat growers in Connell. The group discussed some of the pilot programs offered by the county's Voluntary Stewardship Program. Brian Cochrane, a new commissioner on the Washington Grain Commission, talked about his recent trip to Portland to discuss variety quality testing. The group also discussed the need for a two-gene Clearfield club wheat as a way to help get more growers growing the variety and increase club's market.

The next meeting of the county wheat growers will be on March 7 at the Kahlotus Grange Hall beginning at 7 p.m. ■

Meet our new board members

Over the past few months, the Washington Association of Wheat Growers (WAWG) has welcomed several new board members. Here's an introduction to some of them:

Michele Kiesz, Adams County

Most of the current WAWG board members are primarily dryland wheat growers. Michele Kiesz's family farm in the Columbia Basin, however, is irrigated, but her husband, Randy, is a dryland wheat farmer from outside of Ritzville. Kiesz is hoping to bring an irrigated farmer's perspective to the WAWG board.

"That's why I wanted to be on this board. My husband and I are 4th generation wheat farmers, and I want to help the dryland farmers become more aware of what the irri-

gators do," she said. "We keep our two farms separate because irrigation is such a different monster. He (Randy) doesn't want to have anything to do with the irrigation. He's just fine with me managing that, and with the Odessa aquifer water situation right now, it's pretty much what I do full time."

Kiesz has been very active in the push to get the federal government to finish the Columbia Basin Project. She is also one of the landowners impacted by the Odessa Groundwater Replacement Program. Water isn't the only interest Kiesz has in serving on the WAWG board. She also thinks education is a critical component of what WAWG does.

"We don't talk to kids enough. It surprises me that some of these families living in farm communities don't know what farming is or where their food comes from. Educate the kids and you educate the parents. The income that is generated from the farming industry in this state is a huge driver, so why not have more programs in our schools? I think the wheat growers are a great way to encourage that," she said.



Jim Moyer, Columbia County

Five years ago, Washington state native Jim Moyer returned to the Pacific Northwest to take up the reins of Washington State University's (WSU) Agricultural Research Center. He had spent the previous 37 years at North Carolina State University as a faculty member and administrator. Throughout his time in the South, Moyer maintained ties to the Washington wheat industry as an absentee landlord for his family's wheat, pea and lentil farm north of Dayton, Wash.

"The core of the farm has been in the family since the 1890s," Moyer explained. "My brother and I have been sort of managing the farm since the late 90s when my parents phased out." Moyer's brother, Jerry, lives in California.

Moyer recently retired from WSU and has become the Columbia County state board representative for WAWG. He says he is spending much more time at the farm. He became a WAWG board member to get engaged in agriculture in a different role.

"I still have a large sense of responsibility and trying to work and do service kinds of activities. I've made it one of the things that after I left WSU, in this first year, to get engaged on the other side of the table, the farmer's side, as opposed to the university administrator's side," he said. "I'm kind of feeling my way, and so far, it's been great. I know a lot of the people (in agriculture) but in a different way, and they are beginning to know me in a different way. It's great. Who gets to do this? This is fantastic."



Jeff Malone, Douglas County

Jeff Malone, his wife, Kate, and sons, Weston (6) and Colton (3), are the fifth and sixth generations on their family's dryland wheat farm in southern Douglas County. He returned to the farm in 2012 after a stint selling GPS systems for the Odessa Trading Company. He graduated from Eastern Washington with degrees in business and communications.

"I was always involved in the farm as a kid with harvest and throughout the year," Malone said. "In high school, I wasn't sure what I wanted to do, like most

The scientific explanation.

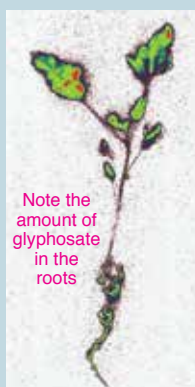
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kids that age. I got out and got a taste of the real world. After awhile, I realized farming sounded pretty good.”

Malone has been vice president of the Douglas County wheat growers group for the past two years, and his wife serves on the board of the Washington Wheat Foundation. He said he decided to get more involved in WAWG after attending the Portland export tour offered by the Washington Grain Commission. The tour takes growers and industry stakeholders along the Columbia River down to Portland to show them how wheat moves from farm to export terminal.



“It was very educational to see where the wheat goes,” Malone said. Transportation and varietal research are two areas that he is particularly interested in learning more about. “It is amazing to think that even 25 years ago, guys were farming with basically the same practices (that we have now) and getting 25 bushels less.” ■

What’s coming for CRP under the 2018 Farm Bill

From the FSA

The 2018 Farm Bill makes several changes to the Conservation Reserve Program (CRP). Some will reduce rental payments, and others may increase payments for

certain subcategories of the program. The statute increases the acreage cap for the program but targets certain acreage for specific versions of CRP. While many aspects of the program will not change, there could be significant impacts to specific categories of CRP. We will learn more about these as the process moves forward to roll out the 2018 Farm Bill.

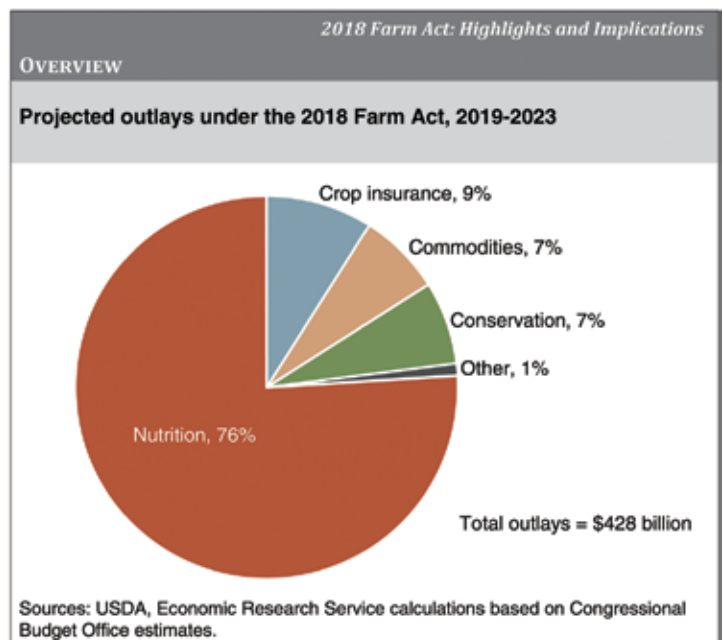
With one-year extensions approved on a large portion of the CRP contracts that were to expire Sept. 30, 2018, there are now approximately 1.5 million acres under CRP contracts set to expire in 2019, and about 4.4 million acres will expire in 2020. For Washington state, about 190,000 acres will expire in each of those years. At this time, we do not know what the ag secretary will do for CRP signups in 2019. We do know that subject is being reviewed by the U.S. Department of Agriculture. Watch your local offices for updates. ■

New crop insurance option provides increased flexibility

From RMA

Farmers now have a low-cost option for insuring small parcels of land in one county by combining them into a single enterprise unit with land in a neighboring county under their crop insurance. The U.S. Department of Agriculture’s Risk Management Agency (RMA) is offering the new endorsement known as the Multi-County Enterprise Unit for farmers interested in covering two

CHARTS OF NOTE: The Agriculture Improvement Act of 2018 was signed into law Dec. 20, 2018, and will remain in force through the end of fiscal year 2023, although some provisions extend beyond 2023. The Congressional Budget Office (CBO) projects that the new farm act will mandate spending of \$428 billion dollars over the next five fiscal years (2019-2023). A large majority of projected spending—76 percent (\$326.02 billion)—will fund nutrition programs, with most going to the Supplemental Nutrition Assistance Program (SNAP). Crop insurance (\$38.01 billion), farm commodity programs (\$31.44 billion) and conservation programs (\$29.27 billion) account for nearly all of the remaining outlays. Approximately 0.8 percent (\$3.54 billion) will fund all other programs, including trade, credit, rural development, research and extension, forestry, energy, horticulture and miscellaneous programs. Overall, the new farm act makes fewer changes to food and farm policy than the 2014 Farm Bill. Nutrition policy, particularly SNAP, will continue with minor changes. Crop insurance options and agricultural commodity programs will continue largely as under the 2014 Farm Bill. All major conservation programs will continue, although some were modified significantly. This chart appears in “The Agriculture Improvement Act of 2018: Highlights and Implications,” from the USDA’s Economic Research Service on December 20, 2018.



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counties in the same state under their crop insurance policy. The endorsement is available for spring crops with a Nov. 30, 2018, and later contract change date. Initially, targeted crops include coarse grains (corn, grain sorghum, soybeans), cotton, canola, peanuts, rice, small grains (barley, wheat) and sunflowers.

To qualify for the endorsement, one county must qualify independently for an enterprise unit, and the other county must not qualify for an enterprise unit. Both county crop policies in the Multi-County Enterprise Unit must be with the same approved insurance provider and have the same elections for Multi-County Enterprise Units, insurance plan, coverage level and enterprise unit by practice. Interested farmers should contact their crop insurance agent to discuss options. ■

NASS releases winter wheat, annual summary reports

From NASS

Because of the government shutdown, the National Agricultural Statistics Service (NASS) released a number of reports for the Pacific Northwest all at once at the beginning of February.

Annual crop summary report

In Washington, all wheat planted totaled 2.22 million acres, up 1 percent from 2017. Harvested area, at 2.17 million acres, is up 1 percent from the last year. Production totaled 153 million bushels, up 8 percent from 2017. Yield is estimated at 70.8 bushels per acre, up 4.2 bushels from the previous year.

All wheat planted in Idaho totaled 1.19 million acres, up 1 percent from 2017. Harvested area, at 1.14 million acres, is up 2 percent from the previous year. All wheat production totaled 104 million bushels, up 15 percent from last year. Yield is estimated at 91.9 bushels per acre, up 10.1 bushels from 2017.

In Oregon, all wheat planted totaled 800,000 acres, up 3 percent from a year ago. Harvested area, at 770,000 acres, is up 1 percent from 2017. Production totaled 51.6 million bushels, up 7 percent from last year. Yield is estimated at 67.0 bushels per acre, up 4.0 bushels from 2017.


Winter wheat seeding report

Idaho growers seeded 710,000 acres of winter wheat for the 2019 crop, down 1 percent from 2018, and 1 percent below the 2017 crop. Oregon farmers planted 670,000 acres, down 7 percent from the 2018 crop and down 4 percent from 2017. Washington winter wheat growers seeded an estimated 1.70 million acres of winter wheat for harvest in 2019. This is unchanged from 2018 and 2017.

Nationally, planted area for harvest in 2019 is estimated at 31.3 million acres, down 4 percent from 2018 and down 4 percent from 2017. This represents the second lowest U.S. acreage on record. Seedings, which began in early September, fell behind the five-year average seeding pace in early October and remained behind the five-year average seeding pace for the duration of the planting season.

Hard Red Winter (HRW) wheat seeded area is expected to total 22.2 million acres, down 3 percent from 2018. Planted acreage is down from last year across most of the growing region. The largest declines in planted acreage are estimated in California, Kansas, Nebraska and Oklahoma. Record low acreage was seeded in Nebraska. ►

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Soft Red Winter (SRW) wheat seeded area totals 5.66 million acres, down 7 percent from last year. Acreage decreases are expected from last year in most of the SRW growing states, while increases are expected in Alabama, Georgia, Iowa, Louisiana and Pennsylvania.

White Winter wheat seeded area totals 3.44 million acres, down 3 percent from 2018. Planting in the Pacific Northwest got off to a normal start, compared to the five-year average pace, and remained near average throughout the planting season. ■

FSA deadlines approaching

From the FSA

The deadline to request a marketing assistance loan (MAL) or loan deficiency payment (LDP) is quickly approaching. Requests for wheat, barley, oats, honey, canola,

flaxseed, rapeseed, sesame seed and crambe loans or LDP must be on file in your local Farm Service Agency (FSA) county office by close of business Monday, April 1, 2019.

MALs (otherwise known as commodity loans) are a marketing tool that enables farmers to obtain an influx of cash for operating expenses using their 2018 farm- or warehouse-stored crop as collateral for the loan. Commodity loans mature nine months after the month the loan is approved and funds disbursed.

LDPs are a direct payment made in lieu of a commodity loan and are available when the Commodity Credit Corporation-determined value (lesser of the 30 day or five-day average terminal market price for the crop adjusted for differentials and market adjustments) falls below the county loan rate. To be eligible for an LDP, you must have form CCC-633EZ Page 1 on file at your local county FSA office before you lose beneficial interest in your crop.

Contact your local county FSA office for information. ■

WAWG thanks members

The Washington Association of Wheat Growers would like to thank each and every member of our organization. You, the members, keep the organization strong. The grassroots WAWG is built on keep the leadership, committees and board members moving forward in a positive way. Without your support and activity, WAWG would not be the efficient and effective organization it is today. Thank you for your time and support.

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BARKER ENTERPRISES
BAUER COULEE FAMILY
FARM INC
BAUERMEISTER FARMS INC
JOHN & ELLEN BAUMANN
BAYNE FARM
BEE DEE FARMS
BERNT LEHN FARMS INC
BETCHER FARMS II INC
BIG ROCK FARMS INC
BODONALD FARMS INC
MARK & SANDRA BOOKER
BRIAN BLANK FARMS
BROKEN WINDMILL
FARMS INC
BUGHI FARMS INC
BURKHART FARM
CAMP FARMS INC
CARSTENSEN BOYS
CHVATLAL FARMS INC
DARREL W & NINA CLAASSEN
MIKE COCHRAN
COLUMBIA CO RANCH
ELLSWORTH CONOVER
CORKRUM & DERBY RANCH
COYOTE FLATS FARMS INC
CROW FARMS INC
D & P ELDER FAMILY LLC
DAYVEY FARMS
DAVID B WILLIAMSON &
PAULA M WILLIAMSON
REVOCABLE TRUST
DAVIS FARMS
DBA KULM FARMS

DINGMAN FARMS JV
DON MCHARGUE FARMS
DOUBLE D FARMS
DP JOINT VENTURE
DRB FARM INC
DRY CREEK FARMS
ROY L & CARLEY J DUBE
ROGER & MARY DYE
E & M WILLIAMS INC
E & P JOINT VENTURES
ECKHART FARMS LLC
ELSCO INC
MICHAEL P & CATHERINE
ENSLEY
ENYEART FARMS INC
KARL & IONE FELGENHAUER
FIVE T FARMS INC
FOGED FARMS
FRANZ RANCH INC
G & A SMITH FARMS
G-02 FARM INC
MARTIN & PAM GERING
GERING & KUCH FARMS
GLENCO FARMS INC
GM FARMS
GOETZ WHEAT FARMS JV
GRACE H REAVIS FAMILY
TRUST
GRASSL FARMS
GREEN VIEW FARMS INC
GREENE RIDGE FARMS
GREG FERREL LLC
ROBERT L & MARJORIE
HAWKINS
HEATHMAN HEREFORD
RANCH
HEIDER FARMS INC
HENNING FAMILY FARMS INC
HERDRICK FAMILY LLC
HILLSIDE FARMS INC
HILLTOP RANCH INC
FLOYD C & BERTIE HONN
HORSE HEAVEN TRANSPORT
HOWARD FARMS INC
J R EMTMAN INC
JAMISON AG ENTERPRISES
JEFF KINZER FARMS INC

JOHN GRANT & SON
JOHNSON AGRIPRISES INC
JOSEPH THOMAS FARMS
K & D KJACK FARMS INC
KD DID INC
KENNEY FARMS INC
KLC INC
KM COLUMBIA 3 LLC
ROBERT & PAULA KRAMER
LARITZ FARMS INC
LARRY CONOVER FARM
JAMES KENT & LISA LUCAS
LMZ RANCH
M & E FARMS
MAINS BROS
MARGARET A JONES TRUST
MARLER FARMS INC
MCDONALD - MOON
FARMS INC
MIKE & MARJATTA MCGOURIN
MCGOURIN FARMS INC
ALEX & BONITA MCLEAN
MEAD RANCH
MGP FARMING LLC
MILLSTREAM FARMS
MIX SR FAMILY TRUST
MOREL FARMS INC
N & L FARMS INC
NANCY GRANT FARM
NEFF RANCHES
O'ER THE HILL FARMING
PARKWOOD FARM & KENNELS
PED FARMS INC
PHILLIPS WINDY HILL LLC
PLUCKER FARM
POWERS RANCHES INC
RICHARD J QUIRK
R & J LYLE LLC
R & L RANCH INC
R B K JOINT VENTURE
RAN-GAR FARMS
GERALD RAY
THOMAS RAY
AARON & DANA REPP
REXEL FARMS INC
ROBISON FARMS CO
STEVEN & LEXIE SAINSBURY

FRED & JULIE SCHARFF
DALE & PEG SCHMIDT
SCHOESELER FARMS
SCHUMER FARMS INC
SCHWAB FARMS INC
SEED LOGIC LLC
MONTE SHAFFER
DENNIS & JILLIE SIMMELINK
SITTON FARMS INC
STUBBS FARMS LLC
SUESS FARMS INC
T D WALSH FARMS INC
TIMM FARMS INC
TREIBER FARMS INC
W G MELCHER INC
WAGNER FARMS INC
WALKLEY HEIRS AGENCY
WALLI FARMS INC
WARDEN HUTTERIAN
BRETHREN
WARREN FARMS INC
KELLI WEBER
WINDSWEEP FARMS INC
WINDY KNOLLS RANCH LLC
WISWALL RANCH
WM R LYONS & SONS
MIKE WOODS

GROWER

2M FARMS
3 W FARMS
3T JV
5 M INC
5B FARMS INC
7JK RANCH
A & C VALLEY FARMS INC
AARON GFELLER INC
ALAN P HIGGINBOTHAM INC
FRED ALDERSON JR
ALL JOY INC
GEORGE ALLISON
AMBER FURROWS INC
AMBER LAKE FARMS INC
AMERY FARM
AMSCO INC
ANDERSON BROS FARM
PARTNERSHIP

ANDERVILLE FARMS
ANTE UP INC
ANTHONY J SMITH FARMS LLC
APPEL PRAIRIE FARM INC
MARK APPLEFORD
MICHAEL E ARCHER
ARCHER FARMS
ART/LINDA ZELLMER INC
ART DRUFFEL FARMS
AUNE FARMS LLC
AURORA INC
KEITH AUSMAN
B & B FARMS
B & P FARMS INC
B & W FARMS INC
BAFUS FARMS INC
GERALD J BAKER
WALLI FARMS INC
BAR TEN RANCHES
BASIN VIEW FARMS
BAUMAN SISTERS
LOREN BEALE
BECKER RANCH
BEECHINOR FARMS
BEEKS RANCHES INC
BEST ACRES
BETTS RANCH
BIG BUCK FARMS INC
BJK FARMS INC
BLAIN RANCH
BLAIR FARMS
BILL BLESSINGER
BMW FARMS INC
BO CO INC
BOB'S BOY INC
BOERSMA FARM INC
DAVID BOLENEUS
BOW THE FARMS INC
BRAUN FARMS INC
BRENT BAIR FARMS
BREWER BROS LLC
BREWER FARM
BROCK RANCH PARTNERSHIP
BROWN & FORD
-ALLEN FORD
-SCOTT FORD
BROWNE RANCH

BRUCE & DIANA CARLSON INC
MICHAEL D BUCKLEY
BUOB FARMS INC
GARY BYE
C & C FARMS
C & E FARMS
C & L CLOANINGER INC
C & P MUNDT FARMS INC
C BAR U FARM INC
CZS FARMS INC
CARGRAIN FARMS INC
CARICO HILLS INC
CARLTON FARMS INC
PETE CARSTENSEN
NORMAN CAVADINI
CENTURY 2 INC
CHAD SMITH RANCHES
-CHAD SMITH
-MARKUS W SMITH
JERRY CHATELAIN
DARYL CHESTERMAN
CHRISTENSEN FARMS
CIRCLE H RANCH
CLAASSEN BROS
CLAASSEN FARMS
ASA CLARK
CLAUSEN RANCH
CLEMENTS FARMS INC
CLERF FARMS INC
DAVID CLINTON
J RICHARD CLOANINGER
CLOANINGER FARMS
COCHRAN FARMS
COCHRANE FARMS
COCKING FARMS LLC
RICHARD COLLEY
COLUMBIA VIEW FARMS
COULEE CREEK FARMS
COULEE HITE
ENTERPRISES INC
COVELLO CELLARS
CRC FARMS INC
CROSBY FARMS INC
CSI
CT MYERS FARMS INC
CUNNINGHAM FARM
ROBERT M CUTLER

D & D ROBERTS JV
D & L FARMS INC
D & M FARMS
D & M LANGE JV
D & P FARMS
D-B FARM
DAVID & DAVIS FARMS
DAVIS FARMS
DBO FARMS INC
DC FARMS
DEIFE FARMS INC
MILES DEISHL
DENNY LAND & LIVESTOCK INC
DERUWE L&F INC
DESERT ACRES INC
DESERT GRAIN FARMS INC
DESERT SKY AG LLC
DEWALD FARMS
-ROB DEWALD
-TRAVIS DEWALD
DIAMOND G FARMS
DIAMOND T RANCHES
DIAMOND-S FARMS INC
DICK LEDGERWOOD &
SONS INC
DIXON LAND & LIVESTOCK
DOUBLE A FARMS
DOUBLE D RANCH
DOUBLE I RANCH LLC
DOUBLE J RANCH INC
DOUBLE P RANCH
DOUBLE S FARM INC
DOUBLE Z FARMS
DOUBLETREE RANCHES INC
-ELLWOOD BROWN
-NEAL BROWN
DREAM BIG ADVENTURES
DUANE LASHAW FARMS INC
DUANE WIDMAN FARM
RANDY DUNCAN
DUTCH FLAT ANGUS LLC
E & S APPEL FARM
EL & JH RAY FARMS LLC
EARTHBOURNE
RESOURCES INC
ELMER C ANDERSON INC
ELY RANCHES ▶

HAVE YOU HEARD WHAT THE MARKET IS SAYING ABOUT BIOst® INSECTICIDE FOR WIREWORM CONTROL?

Albaugh's BIOst® Insecticide 100 provides the grower with a second mode of action to enhance the performance of insecticide seed treatments for wireworms resulting in wireworm mortality and improved Return on Investment.

"Innovation that provides wireworm performance and grower value"

St. John, Wa

"I didn't even know it was on my seed... but I am glad it was"

Palouse, Wa

"My Stands definitely have improved with BIOst Three-way insecticide seed treatment"

Ione, Or

"Finally Enhanced Performance on wireworms"

Nesperce, Id



Resonate
Insecticide Seed Treatments

NipsIt INSIDE
Insecticide

"I have been waiting for something like this to help my growers"

Edwall, Wa

"The wireworm populations are decreasing on my farm. That's a great Thing."

Touchet, Wa

"Second mode of Action with efficacy on wireworms"

Pomeroy, Wa

"I am finding dead wireworms"

Starmill, ID

"Proven Performance - 2 years in the market on over 200,000 acres per year"

Palouse, Wa

Albaugh's goal is to deliver performance and value against wireworms.



1. Albaugh's BIOst® Insecticide 100 wireworm technology when combined with separately registered seed treatments Resonate® Insecticide and NipsIt Inside® Insecticide will provide the grower with 3 active ingredients and two modes of action against wireworms.
2. Albaugh's BIOst® Insecticide 100 provides a contact mode of action resulting in enhanced performance and wireworm mortality.

Contact your local seed retailer for more information on BIOst® Insecticide 100

Refer to the product label for complete use directions and instructions. BIOst® and Resonate™ are trademarks of Albaugh, LLC.

NipsIt Inside® Insecticide is a trademark of Valent USA, LLC.

Always use and follow label directions. EPA Reg. No. 84059-14-42750 AD No. 100616, EPA Reg. No. 42750-133 AD No. 110316, EPA No. 59639-151

TIM ENSLEY
ERDMANN FARMS INC
ESCLURE FARMS INC
ESLICK FARMS INC
EVANS & SON JV
F & S ROSMAN FARMS INC
F R W FARMS
FARM-RITE INC
FARMING ETC INC
DEAN C FARRENS
FARRENS FARMS
ED FAURE
CRAIG FEENAN
FEUSTEL FARMS INC
FIESS FARMS INC
ERNIE FILAN
DOUG FITZSIMMONS
WAYNE FITZSIMMONS
FLANSBURG FARMS INC
FLYING S CORP
BRAD FORGEY
FRANZ RANCH INC
FRAZIER BLUFF FARMS INC
FROST VALLEY FARMS
FULFS BROTHERS FARMS GP
G & D FARMS INC
G & D GRAIN
G & J HAMILTON FARMS INC
GAFFCO FARMS INC
DALE GALBREATH
GARY GALBREATH
GREG GALBREATH
GARROUTTE FARMS
GAUNTITTS FARMS INC
GB FARMS INC
GEM AIR
GENE MCDONALD FARMS INC
CURTIS GERING
GETZINGER FARMS LLC
GFELLER RANCHES INC
GIESCO INC
KATIE GILLESPIE
GJ FAMILY FARMS
GLEN-MAR FARMS
DIRK A GLESSNER
GLESSNER FARMS
GMC JV
GOLDEN ESTATE INC
GOLDEN GRAIN FARMS INC
GOLDSWORTHY RANCH INC
GOOD STALK FARMS LLC
GORDON & GORDON FARMS LP
GORMLEY FARMS
GORMLEY FARMS INC
GRADWAHL FARMS
GRAIN ACRES
GRANHOLM FARMS LLC
MARK S GRANT
GREEN ACRE FARMS INC
GREEN HOLLOW FARM INC
GREEN VIEW FARMS INC
DAVID GUMM
GUMM FARMS
GUNNING FARMS INC
KENNETH W GUST
GUSTY G RANCH INC
H JACOBS FARMS INC
HT REA FARMING CORP
HAILEY COMPANY INC
HAIR LAND CO
HAMILTON GRAIN
HARDING FARMS
DENNIS HARDY
HAROLD HENNINGS FARM
DAN HART
HARVEST ENTERPRISES LLC
DAN HARWOOD
KYLE HAWLEY
HEATON FARMS
HELLBERG FARMS
HEMINGWAY FARMS INC
HENDRIX FARM LLC
HENNING FARMS JV
HENNINGS ENTERPRISES INC
HERRES LAND CO
HG ETC LLC
HI VALLEY FARMS INC
HI-CREST FARMS INC
HIGGINBOTHAM
HOMESTEADS INC
JAKE J HILL
HILL VIEW FARMS JV
HILLCREST FARMS INC

HOCTOR RANCHES LLC
HODGES 1905 INC
JEFF HOLDERBY
HOLLENBACK FARMS
HOLMES FARM
HOOD FARMS
HORAK-KERN LLC
HARRIGAN FARMS INC
GARY HOUSER
HOWARD P SMITH RANCH
HOWE FARMS INC
HUDLOW INC
HUNTLEY FAMILY JV
HYER FARMS
-CHRIS HYER
-JOHN HYER
J & J LAND AND LIVESTOCK
J & M WHITMAN FARMS LLC
J & S MOON FARM INC
J & S MYERS INC
J BAR S INC
J FRANCIS MUNNS FARMS INC
JR MILLER FARMS INC
J T D RANCHES INC
J VOWELS FARMS INC
JH MILLER & SON INC
J&B SHERWOOD INC
DOUG JACOBSON
JAMES BAILEY INC
JAMISON AG ENTERPRISES
JANSON FARMS INC
JBS FARMS INC
JEA FARMS LTD
JERRY DORMAJER FARMS INC
JESKE FARMS JV
JIM BAUER & SONS FARM INC
JOHN ARLAND FARMS
JOHN D INC
JOHNSON FARMS
BRIAN JOHNSTON
JOHN L OLSON RANCH
ALAN D JONES
GREG JONES
JORDAN FARMS
BETTY L JORGENSEN
KEITH JORGENSEN
JORGENSEN BROS JV
JORGENSEN FARMS JV
JR FARMS INC
JR MELCHER INC
JRS JOINT VENTURE
JSJ FARM INC
JUST FARMS
K & K FARMS INC
K & S FARMS
K-NEA INC
KAGELE ACRES INC
JERRY L KANE
KEATTS FARMS INC
KENNETH C KENO
LUCIELLE KENOYER
KEVIN SCHOLZ INC
JAMES KILE
BERT KINMAN
JUANITA KINZER
KISLER FARMS INC
BRADLEY R KJACK
KNIVETON FARMS INC
KNODEL & SON FARM INC
-JERRY KNODEL
-JOSH KNODEL
BRIAN J KNOPP
LAUREL KOCH BEALE
RANDY KOLLER
KOPF FARMS
KREGER FAMILY FARMS INC
L & D FARMS INC
L & P FARMS INC
L Z INC
MARK LAMBERT
KURT LANDKAMMER
HENDRIX B LANSING
LARRY H KRUGER INC
LASHAW AG INC
LAWDOG FARMS LLC
LAZY B FARMS LLC
LAZY YJ FARMS JV
LCAT FARMS INC
LEDGERWOOD AG
LEE EICKMEYER FARMS INC
TRACY L LESSER
LESTER WOLF FARMS INC
LEWIS & CLARK FARMS INC

LIBERTY RANCH
PHILLIP M LILLEGREEN
GERALD L LIPPS
LLEWELLYN FARMS INC
LOGEN INC
LONGMEDO FARM
LTH FARM CORP
LUFT FARMS INC
LUTZENBERGER FARMS
LYBECKER FARMS INC
LYKA CORPORATION
LYONS FARM OPERATIONS INC
M & L CARSTENSEN FARMS
M K J FARMS INC
M4 FARMS INC
HARVEY MAC QUARRIE
MALONE FARMS
MARCO RANCHES
AMY MARTIN
MASTERTON RANCH
MATT LYONS INC
J FRANZ MUNNS FARMS INC
MCCARTY RANCHES
RONALD D MCCLURE
MCGREEVY BROTHERS
MCGREGOR LAND &
LIVESTOCK CO
MCKAY FARM & RANCH INC
PAT MCKEIRNAN
MCKINNEY FARMS
DAVID M MCNEILLY
MEADOWVIEW JV
MERCER DRYLAND FARMS
MERRITT FARMS
MICHAEL HAND FARMS
MIDDLETON SIX SONS
FARMS LLC
MIELKE INC
MIKE RESER FARMS INC
DEAN MILLER
MAC MILLS
KEVIN L MOELLER
LINDA MOHR
MOHS PROPERTIES LLC
JASON MONSON
MONSON BROTHERS INC
DEVIN MOON
MOON FARMS
STEVEN D MOORE
CARL C MOORE
TOM MOORE
MOORE-2 FARMS
MOORE FARMS
MORASCH FARMS
MR STOCK & STUBBLE INC
MT HARRIS FARMS
MUD CREEK FARMS
MURISON FARMS JV
NANCY A MCKINNON POA
NAUGHT RANCHES INC
NEAL BROS INC
NEILSEN FARMS
NELSON COX FARMS INC
NELSON FARMS INC
NIBLER FARMING
NICK & DALE DRUFFEL
PARTNERSHIP
NK LIVESTOCK LLC
NN BAR FARMS
NOLLMEYER FARMS JV
NORM DRUFFEL & SONS
NORRIS RANCHES INC
NOSTAW FARMS INC
NW FARMS INC
OCHLARE FARMS INC
ODESSA FARMING LLC
OSTHELLER FARMS INC
OVERTIME FARMS INC
PC PARTNERSHIP
PEARSON FARMS
PENHALLURICK HEIRS GP
THOMAS M PETERSEN
KELLY PETERSON
BRUCE H PETTY
TOM PETTY
PIERRET INC
-CLAUDE PIERRET
-MARTIN PIERRET
PM ROSMAN FARMS
POE GRAIN & LIVESTOCK INC
H THOMAS POOLE
POTTRATZ & TIEGS FARMS
JASON PROUDFOOT

PROUDFOOT RANCHES INC
MICHELLE QUIGLEY
R & D ENTERPRISE INC
R & D FARMS INC
R & J FARMS INC
R & K FARMS INC
R & L LYONS FARMS
R & M MCHARGUE FARMS INC
R & R HALVORSON INC
R & R INC
LOUIS F RAAP
RAFCO INC
CHRIS E RAMSEY
RASCHKO FARMS
RAYMOND MAYER FARMS INC
RCM FARMS LLC
RDF FARMS INC
RE KULM FARMS
REBEL CREEK FARMS INC
REDMAN RANCH INC
VICTOR REEVE
RODNEY REINBOLD
RICH REMINGTON
RENNERWAZ FARMS LLC
REPP FARMS INC
LORNA RICHMOND
RIDGELINE AG LLC
RKJK FARMS INC
ROBERT EMTMAN FARMS INC
ROCK ROSE FARMS INC
ROCKING MC
ROCKY HILL FARMS
ROD HUBNER FARMS
RODRIGUES FARMS INC
ROECKS FARMS INC
ROGER ETTER FARMS
ROLLING HILLS FARMS INC
ROLLING MC
RON & JEFF TEE FARMS INC
STEVE ROSBACH
ROSS RANCH JV
RUARK CENTURY FARM INC
RYLAARSADAM FARMS
S & J SCHWARTZ INC
S&C RANCHING
SADDLE MT HOMESTEAD
SAGEBRUSH FLATS FARM
SANDRA CADIEU TRUST
TOM SCHARFF
SCHLEE FARMS INC
CHARLES J SCHMIDT
SCHMITT FARMS
JOE A SCHMITZ
SCHOONOVER FARMS
MICHAEL P SCHRAG
SCHREINER-TUTTLE
FARMS INC
SCHU FARMS INC
BERNIE SCHULTHEIS
GREG SCHULTZ
SCOTT RANCHES INC
SCRUPPO INC
PHILIP M SEALOCK
MATTHEW SEIBLY
SEVEN-A FARMS INC
SHAWVER FARMS
TOM SHEER
SID MAYBERRY INC
SIDEB INC
CORDE SIEGEL
SIERRA VISTA FARMS INC
SIEVERKROPP FARM INC
AUSTIN SIEVERS
SILVER CREEK FARMS INC
THOMAS A SIMPSON
SITTON FARMS INC
SJ FARMS
SLR FARMS INC
SMAL RANCHES
SMITH BROTHERS
SMITH FARMS INC
SPOKANE HUTTERIAN
BRETHREN
-DAVID GROSS
-PAUL GROSS
STAHL FARMS
STELZER FARMS INC
STEVE GELLER INC
STEVE KRUPKE FARMS JV
STEWART FARMS INC
STODDARD FARMS
STONE FARMS INC
STONECIPHER RANCHES LLC

JOHN F STRATTON
STUBBLEFIELD RANCH INC
SULPHUR CREEK RANCHES
SUNNY A FARMS INC
SUNSET FARMS INC
DAVID L SWANNACK
SWANNACK FARMS INC
NANCY LEE SWEARENGEN
TANKE JOINT VENTURE
STEVE TAYLOR
TEMPLIN FARM SERVICE INC
TERRY HARDING INC
GUY THERRIEN
JOHN THOREN
THORN CREEK FARMS
BRIAN K TIEGS
TIMMO INC
TLC RANCH INC
TMC FARMS INC
TODD KIMBALL FARMS
TOM PERINGER FARM
TR REAPERS INC
TRIPLE S FARM PARTNERSHIP
LARRY TUPLING
TURNER FARMS
UNION CREEK NORTH LLC
URBAT FARMS INC
VALLEY VIEW RANCH
LEONARD R VAN BUREN
VAN HOLLEBEKE LIVESTOCK
JOINT VENTURE
BOB VENERA
VIEBROCK FARMS INC
VIEWPOINT FARM INC
VINTE FARMS
VLF LLC
ALAN VOISE
ROD VON LEHE
W & D RANCH INC
W & L FARMS INC
W A L RANCH INC
JEFF WAGNER
REGIE WALDHER
DONALD E WALKER
WALLA WALLA RIVER
ESTATES LLC
WARREN MORGAN
ORCHARDS LLC
WATKINS FARMS INC
NAT WEBB
GREGORY G WEBER
WEBER FARMS INC
WELLESLEY FARMS INC
WELLSANDT FARMS INC
WERNZ FARMING
ROGER WESSELMAN
WEST HILLS JOINT VENTURE
WEST WHITMAN FARMS INC
WESTSIDE FARMS INC
WHITAKER & SONS FARMS INC
WHITE FARMS
WHITE FARMS JV
MIKE WHITMAN
FRED J WILCOX
LARRY D WILCOX
WILEY RANCHES INC
WILKERSON RANCHES
FRED A WILKINS
WILLADA FARMS INC
WILLIAM HUGHES JR FARM
WILLIAM R DEIFE INC
WILLIAMSON FARMS INC
WILLIAMS RANCH JV
CRAIG WILLSON
WINDY ACRES
WINDY ACRES FARM INC
WINDY PRAIRIE INC
WM R LYONS & SONS
JAMES E WOLF
WOLFE HEREFORDS INC
WOLLWEBER FARMS INC
JASPER WOMACH
WOOD V-X RANCH
WOODY GRADE FARMS LLC
WP FARMS
WWW FARMS INC
WYBORNEY INC
ZECCINO FARMS
ZEILER RANCH INC
ZELL-CRON INC
MIKE ZIMMER

INDUSTRY SUPPORTER

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AG ENTERPRISE SUPPLY INC
AGRI SPRAY INC
AGRI BUSINESS COUNCIL
ALMOTA ELEVATOR CO
ASSOCIATION OF AERIAL
APPLICATORS
B & R AERIAL CROP CARE INC
BAKER BOYER BANK
BANK OF EASTERN
WASHINGTON
-COLFAX
-POMEROY
BIG BEND ELECTRIC
COOPERATIVE INC
BROCK LAW FIRM
BYRNES OIL CO
CARPENTER MCGUIRE &
DEWULF PS
CF INDUSTRIES INC
COBANK
COLUMBIA BANK
COLUMBIA BASIN
AGRICULTURAL RESEARCH
CENTER
COLUMBIA PULP LLC
COUNTRY FINANCIAL
DAVE'S AUTO BODY &
GLASS INC
DOW DUPONT
ED POE AGENCY INSURANCE
FARM & HOME SUPPLY INC
FARMINGTON STATE BANK
GUINN ENTERPRISES INC
HAGER SEED PROCESSING INC
HELENA CHEMICAL COMPANY
HIGHLINE GRAIN
GROWERS INC
HILLE SPRAY SERVICE INC
HUB INTERNATIONAL
NORTHWEST LLC
INLAND EMPIRE MILLING CO
JESSE FORD OF PULLMAN
JW & ASSOCIATES PLLC
KINCAID REAL ESTATE
KIRKPATRICK, UTGARD &
PERRY PS
L & G RANCH SUPPLY
LEFFEL OTIS & WARWICK PS
-DAVENPORT OFFICE
-ODESSA OFFICE
-RITZVILLE OFFICE
-WILBUR OFFICE
LEWIS CLARK TERMINAL INC
LIND DRYLAND EXPERIMENT
STATION
LLOYDS INC & BLUE
MOUNTAIN INSURANCE
MCDONALD ZARING
INSURANCE
MCGREGOR RISK
MANAGEMENT SERVICES LLC
-COLFAX
-POMEROY
MICRO-AG
MID-COLUMBIA
INSURANCE INC
NELSON IRRIGATION
CORPORATION
NIELSON INSURANCE
NORTHWEST FARM CREDIT
SERVICES
-COLFAX OFFICE
-RITZVILLE OFFICE
-SPOKANE OFFICE
-WALLA WALLA OFFICE
NORTHWEST GRAIN
GROWERS INC
NORTHWESTERN MUTUAL
NUTRIEN AG SOLUTIONS
-POMEROY OFFICE
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POLICY MATTERS

Slavery in ag, DNR lease bills move through legislature

By Diana Carlen
WAWG Lobbyist

Feb. 19 marked the 37th day of the 2019 Legislative Session. Committees are still holding hearings on new bills and holding executive action where they pass bills out of policy and fiscal committees. Revised drafts and amendments to bills are constantly being released, which require review and input before they are voted out of committee. Friday, Feb. 22, marked the first legislative deadline when all policy bills had to make it out of their policy committee to remain alive.

Bill targeting agriculture industry receives spirited public hearing

A bill insinuating that there is a problem in the agriculture industry of engaging in human trafficking and slavery received a hearing on Feb. 15. **SB 5693**, creating transparency in agricultural supply chains, is sponsored by Sen. Rebecca Saldaña (D-Seattle). The bill requires certain Washington state retail sellers and manufacturers of agricultural products to make annual disclosures on their websites' homepages about their efforts with respect to their product supply chains to eradicate slavery and human trafficking and to ensure compliance with employment laws. It would provide for statutory damages between \$500 and \$7,000 for violations, punitive damages for willful violation and other relief.

The agricultural industry, including the Washington Association of Wheat Growers (WAWG), is vehemently opposed to this bill and testified against the bill. There has been no evidence that this is occurring in our state, and this legislation seemed to come out of left field. The agriculture industry does not condone human trafficking or slavery. There was also concern why the agricultural industry was singled out on this issue and that it was insulting to the industry.

Hearing on bill to provide more protection for agriculture leases

WAWG testified in support of a bill that would prohibit the Washington State Department of Natural Resources (DNR) from terminating a lease early, other than for default, without the written consent of the lessee. **HB 1964** is sponsored by Rep. Chris Corry (R-Yakima). WAWG testified in support of this bill in the House

Rural Development, Agriculture & Natural Resources Committee. WAWG reminded the committee about the situation in the Horse Heaven Hills area a few years ago where DNR unilaterally cancelled several 10-year dryland leases with only 60 days notice and the detrimental impact it caused the farmers. WAWG argued that DNR should be required to uphold their contracts like any other party entering into a contract would be required to do. DNR always has the option to enter into shorter contract terms.

Stakeholder meeting on potential cap and trade legislation held

On Feb. 12, Sen. Reuven Carlyle (D-Seattle), chair of the Senate Environment, Energy & Technology Committee, convened a stakeholder meeting to discuss draft legislation he has circulated on enacting a cap and trade program in Washington state. The legislation is still in draft form and has not been formally introduced. Sen. Carlyle planned to formally introduce the legislation before the end of the month and hold a public hearing. He is seeking feedback from stakeholders on his proposal.

Other notable bills receiving hearings:

- **Minimum Crew Size on Certain Trains (HB 1841).** The legislation would establish minimum crew size requirements for railroad carriers operating hazardous material trains and hazardous material trains consisting of 50 or more cars. The legislation has an exemption for trains transporting hazardous material shipments a distance of five miles or less to operate with crew members positioned on the lead car. WAWG opposes this bill.
- **Environmental Justice (SSB 5489 and HB 2009).** These bills would require state agencies to establish a task force to recommend environmental justice measures in the state permitting process. WAWG opposes this bill because permitting decisions should be based on the law and the best available science, not on environmental justice considerations.
- **Low Carbon Fuel Standard (SHB 1110).** This bill would direct the Washington State Department of Ecology to adopt a rule establishing a Clean Fuels Program (also known as a low carbon fuel standard) to limit the greenhouse gas emissions per unit of transportation fuel energy to 10 percent below 2017

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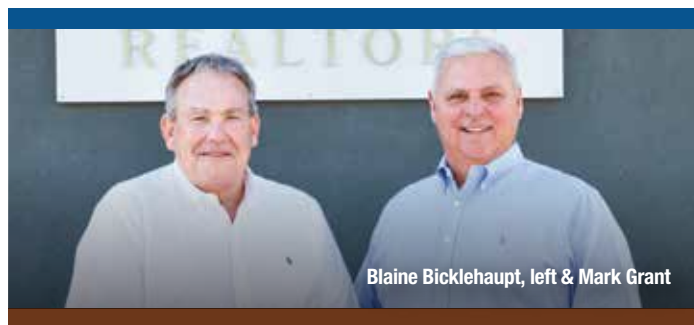
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levels by 2028 and 20 percent below 2017 levels by 2035. The bill passed out of the House Transportation Committee on a party line vote with only Democrats voting for the bill. The bill has been referred to the Rules Committee and is one step closer to a full House vote. ■

WAWG officers talk policy at NAWG winter conference

The Washington Association of Wheat Growers (WAWG) recently took part in the National Association of Wheat Growers' (NAWG) and U.S. Wheat Associates' annual winter conference from Feb. 11-15, 2019, in Washington, D.C. Conducting meetings with members from wheat states as well as the House and Senate Agriculture Committee and their staff, wheat growers focused their discussions on implementation of the 2018 Farm Bill, challenges facing the wheat industry and trade. Additionally, NAWG's committees covered a range of topics including the farm bill implementation, U.S.-Mexico-Canada Agreement and other trade issues and wheat research needs.

"The 2018 NAWG/USW Winter Conference was notably busy this year as NAWG really focused on meeting with freshmen members of Congress as well as staff from the House and Senate committees on agriculture," stated NAWG CEO Chandler Goule. "Our priority is to get the farm bill implemented as Congress intended and to

educate freshman members on who is NAWG and the role wheat farmers, and all growers, play as the backbone of the agriculture economy."

NAWG's committees are scheduled to meet at the 2019 Commodity Classic, scheduled for Feb. 26 to March 2, 2019, in Orlando, Fla. See pages 32-37 for photos from the Washington Association of Wheat Growers' visits to the state's federal delegation. ■

USW receives funding for market promotion activities

U.S. Wheat Associates (USW) and the National Association of Wheat Growers (NAWG) are pleased that U.S. wheat growers now have the opportunity to increase efforts to expand export market access with U.S. Department of Agriculture's (USDA) Jan. 31 announcement awarding \$200 million to 57 organizations through the Agriculture Trade Promotion Program (ATP). USW was awarded \$8.25 million, which will be distributed over the next three years.

Administered by USDA's Foreign Agricultural Service (FAS), the ATP is one of three USDA programs within the Trump Administration's trade mitigation package—created to ease the effects of recent trade retaliation against U.S. farmers and exporters. The funds will support export market development programs led by U.S. trade associations, cooperatives and other industry-affiliated organizations.



Washington Association of Wheat Growers' leaders and staff recently took part in National Association of Wheat Growers' committee meetings in Washington, D.C. While there, they also visited members of the state's federal delegation. See pictures and recap on pages 32-37.

"U.S. wheat growers are facing tough times right now with the impact of retaliatory tariffs putting a strain on the export market and threatening many decades worth of market development," said Chris Kolstad, USW chairman and a wheat grower from Ledger, Mont. "We appreciate the recognition that farmers need help to manage this additional risk. This program is a positive step forward, and our people are ready to get to work."

"With the United States exporting half of the wheat crop it grows, programs like the Agricultural Trade Promotion Program are crucial for our farmers to remain competitive in the global market," stated NAWG president and Sentinel, Okla., wheat farmer, Jimmie Musick. "We welcome the news that our sister organization, U.S. Wheat Associates, was awarded significant funding for trade mitigation activities."

During their trips to Washington, D.C., the Washington Association of Wheat Growers (WAWG) advocated for an increase in the 2019 Farm Bill in market development funding. WAWG is pleased to see the administration recognize the importance of developing and protecting our overseas markets. ■



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Edward Jones, its employees and financial advisors are not estate planners and cannot provide tax or legal advice. You should consult your estate-planning attorney or qualified tax advisor regarding your situation.



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TIPS ON TALKING TO YOUR NONFARM FRIENDS ABOUT AGRICULTURE

Do you ever wonder how to talk about important farm issues without alienating yourself from your nonfarm pals? Issues like farm bill, crop insurance and pesticide use are tough topics to tackle in nonfarm circles. Even sharing something on social media can bring out opinions that may surprise you. But it's still important to share your perspective and your story, especially when it comes to your livelihood.

Keep it simple

While it's tempting to get into the weeds about Agriculture Risk Coverage and Price Loss Coverage, most nonfarm people don't understand why it's important for farmers to get government payments of any kind in the first place. When talking about the farm bill, be sure to mention that roughly 80 percent of the farm bill is spent on SNAP and nutrition programs. About 8 percent is spent on crop insurance, and the farmer pays both a premium and a deductible (just like a consumer does with health and car insurance). Explain that most years farmers do not collect a check from crop insurance, and if they do, it means they have suffered significant losses due to factors outside their control (natural disasters, foreign trade negotiations, global markets, etc.). Collectively, farmers put much more into the system than they get out.

Another hot topic for many nonfarm friends is pesticide use, and it's a tricky one because many people have been told for decades that organic agriculture is free of pesticides. We all know that's not true. Organic farmers also use pesticides. They simply use different ones than conventional farmers. Again, when discussing this topic, keep it simple. Pesticides are one of many crop protection tools farmers use and need. The food we raise must sur-



Get Your Ag Facts Straight!

MYTH

The Real Dirt on Agriculture Blog
Farmers use pesticides as a shortcut. They're not necessary.

FACT

Pesticides are just one of many tools farmers need.

Growers (and your crops) battle more than 130,000 species of insects, weeds and crop diseases in the field. Without pesticides, enjoying fresh produce every day, all year would be impossible.

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vive more than 140,000 species of insects, weeds and crop diseases in the field. Farmers use these products as sparingly as possible (as low as 3 oz. per acre). Farmers also use technology and crop rotation to reduce the amount of pesticides needed each year. This is a great opportunity to talk about GPS and the technology you use on your farm, both of which help you be more precise with your pesticide applications.

Chemical residue is the main reason nonfarm friends are concerned about pesticide use. Remind your friends that both the Environmental Protection Agency and U.S. Food and Drug Administration regulate pesticide use in the U.S., and the process of registering a pesticide is long and thorough. Any chemical compound that shows potential harm to humans is pulled from development, and commercialization is terminated. Farmers follow the label instructions approved by these agencies. Food safety is the No. 1 priority of farmers; their livelihoods depend on it. Remind your friends that they also utilize and ingest chemicals in daily life, like when using household cleaning supplies, driving their cars or putting salt on food.

These are only three topics that may come up. Whatever the topic, remember to keep it simple, be honest and share your personal experiences. For more information on how to explain food facts and farming, there are many science-based organizations that provide useful, simple explanations of important topics. We have listed a handful below:

- cropinsuranceinamerica.org
- biofortified.org/
- bestfoodfacts.org/
- foodintegrity.org/
- fooddialogues.com/ ■



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MYTH

The Clean Chronicle
Your Food is Slathered in Pesticides

FACT

In reality, pesticides are applied sparingly (as low as three ounces per acre).

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Olympia Days are here again

Growers criss cross state capital to meet with legislators on both sides of the aisle

What do you get when you mix more than two dozen wheat growers, nearly 50 meetings with legislators and sit downs with top state agency officials? A successful 2019 Olympia Days trip, of course.

Growers and Washington Association of Wheat Growers' (WAWG) staff flooded the state capital Jan. 30-31 prepared to talk about the industry's top issues including:

- Preserving the Snake River dams;
- Protecting existing tax policy by retaining all food and farm-related tax incentives;
- Preserving Washington's economic competitiveness by not disadvantaging Washington farmers through low carbon fuel standard policies;
- Increasing pesticide safety by supporting legislation that creates a pesticide application safety panel and increases funding for pesticide safety training;
- Advocating for the soil health initiative;

- Enhancing shortline rail infrastructure; and
- Completing the Washington State University Global Animal Health Facility.

"We were able to bring our message to legislators from both sides of the aisle, increasing their awareness of the impacts legislation could have on our farmers' livelihoods," said Jeffrey Shawver, WAWG president. "Legislators appreciate hearing directly from the farmers and their constituents. These meetings give lawmakers the opportunity to ask questions and learn more about the agricultural industry in our state."

The trip would not be successful without the hard work of WAWG staff, who prepare the meeting materials and make sure growers know where they are supposed to go, and WAWG's lobbyist, Diana Carlen, who makes the legislative appointments and briefs growers before the meetings.



Growers were also able to meet with top agency officials, including Derek Sandison, director of the Washington State Department of Agriculture; Hilary Franz, Washington State Department of Natural Resources commissioner; Ron Pate, director of rail, freight and ports at the Washington State Department of Transportation; and Robert Duff, senior policy advisor to Gov. Inslee.

The 2019 Washington Wheat Ambassadors Evan Henning and Lacey Miller participated in the trip to learn how WAWG advocates for the wheat industry and educates legislators. They were invited to lunch in the members-only cafeteria with Sen. Mark Schoesler (R-Ritzville). Growers also held an evening reception for legislators and their aides.

"We appreciate the growers who were able to make the trip to Olympia to discuss the wheat industry's concerns with legislators and agency officials," said Michelle Hennings, WAWG's executive director. "Educating legislators, especially those from urban and west-side districts, is a critical part of WAWG's mission, but we can't do it without the participation of our growers."

Photos from WAWG's 2019 Olympia Days trip are on the following pages. ■

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(Above) Sen. Mark Schoesler (left) takes a minute out of his busy day to take photos with this year's Washington Wheat Ambassadors, Lacey Miller from Ritzville and Evan Henning from Thornton, on the Senate floor.



Sen. Dean Takko (left) meets with Washington Association of Wheat Growers (WAWG) Vice President Ryan Poe (second from left), Jeff Schibel, a grower from Lincoln County, and Diana Carlen, WAWG lobbyist.



(Right) Sen. Brad Hawkins was called away, so growers met with his legislative aide, Jack Grimm (back to camera). Growers, from left, are Mark Booker, Adams County; Howard McDonald, Washington Association of Wheat Growers' (WAWG) secretary/treasurer; Michelle Hennings, WAWG executive director; Mike Carstensen, Washington Grain Commission commissioner; and Ryan Poe, WAWG vice president.



(From left) Larry Cochran, a grower from Whitman County; Nicole Berg, a grower from Benton County; Robert Duff, senior policy advisor to Gov. Jay Inslee; and Jim Kent, a grower from Walla Walla County, discuss the Washington Association of Wheat Growers' (WAWG) natural resource and environmental concerns. WAWG expressed support for the lower Snake River dams and urged the governor to consider the impact removing the dams would have.



Rep. Richard DeBolt (left) met with growers, including Michele Kiesz from Adams County and Steve Henning from Whitman County.



Each morning, members of the Washington Association of Wheat Growers' group met in the cafeteria to look over the day's schedule.



(Above) Michelle Hennings, executive director of the Washington Association of Wheat Growers, listens to Derek Sandison, director of the Washington State Department of Agriculture, talk about the work his department is doing.



Growers not only met with legislators, but also with many state agency officials, including Ron Pate, director of rail, freight and ports at the Washington State Department of Transportation. From left are Randy Suess, Whitman County; Pate; Ryan Poe, Washington Association of Wheat Growers (WAWG) vice president; Howard MacDonald, WAWG secretary/treasurer; and Mike Carstensen, Washington Grain Commission commissioner.



Sen. Maureen Walsh is always willing to meet with wheat growers. From left are Walsh; Steve Henning, Whitman County; Randy Suess, Whitman County; Lori Williams, Washington Association of Wheat Growers' outreach coordinator; and Larry Cochran, Whitman County.



Although she's from the Olympia area, Rep. Laurie Dolan's (second from right) family once owned a wheat farm in Spokane County. Here, she meets with (from left) Anthony Smith, Benton County; Larry Cochran, Whitman County; and Marci Green, past president of the Washington Association of Wheat Growers.



It's always a pleasure to visit House Speaker Frank Chopp (second from right). Also shown, from left, are Matt Doumit, Washington Association of Wheat Growers' (WAWG) lobbyist; Kevin Klein, Washington Grain Commission commissioner; Chopp; and Ryan Poe, WAWG vice president.



(From left) Sen. Curtis King discusses Washington Association of Wheat Growers' (WAWG) concerns with Washington Wheat Ambassador Lacey Miller and Diana Carlen, WAWG lobbyist.



Rep. Keith Goehner visits with growers. From left are Anthony Smith, Benton County; Goehner; Mike Carstensen, Washington Grain Commission commissioner; and Howard McDonald, secretary/treasurer of WAWG.



(Above) Casey Cochrane (right), Franklin County, talks to freshman legislator, Rep. Matt Boehnke, at the legislative reception.



Rep. Brad Klippert (left) talks to growers (from second to left) Mark Booker, Adams County; Anthony Smith, Benton County; and Chad Smith, Benton County.



(Above) Growers (from left) Mike Carstensen, Washington Grain Commission commissioner; Michelle Quigley, Lincoln County; and Wysteria Rush, Lincoln County, present the Washington Association of Wheat Growers' concerns to Rep. Eric Pettigrew.

(Right, from left) Washington State Department of Natural Resources commissioner, Hilary Franz, speaks with Nicole Berg, Benton County; Washington Association of Wheat Growers' lobbyist, Diana Carlen; and Kevin Klein, Washington Grain Commission commissioner.





Sen. Judy Warnick (left) has been a strong supporter of agriculture during her time in the legislature. Here, she meets with Michele Kiesz, Adams County, and Jeff Schibel, Lincoln County.



On the day of their arrival in Olympia, growers met for dinner to discuss the upcoming meetings with Washington Association of Wheat Growers lobbyist, Diana Carlen (standing), and review growers' priorities.



(From left) Kevin Klein, Washington Grain Commission commissioner; Matt Doumit, Washington Association of Wheat Growers' lobbyist; and Randy Suess, Whitman County, meet with Linda Barnfather, the legislative aide for Sen. Kevin Van De Wege.



During the trip to Olympia, growers split up into groups in order to meet with all the legislators on the schedule. Pictured, from left, are Joe Bippert, Washington Grain Commission program director; Gil Crosby, Spokane County; Jeffrey Shawver, president of the Washington Association of Wheat Growers (WAWG); Howard McDonald, secretary/treasurer of WAWG; and Jim White, Whitman County



Waiting for their next meeting are (from left) Ryan Poe, vice president of the Washington Association of Wheat Growers (WAWG); Mike Carstensen, Washington Grain Commission commissioner; Howard McDonald, WAWG secretary/treasurer; Mark Booker, Adams County; and Michelle Hennings, WAWG executive director.



Rep. Tom Dent (right) looks over the Washington Association of Wheat Growers' (WAWG) folder containing the group's legislative priorities. Looking on are (from left) Mike Carstensen, Washington Grain Commission (WGC) commissioner; Kevin Klein, WGC commissioner; Ryan Poe, WAWG vice president; and Wysteria Rush, Lincoln County.

WAWG goes to Washington (D.C. that is)

Trade, farm bill implementation top list of grower concerns in discussions with federal delegation

Washington Association of Wheat Growers leaders and staff barely had time to unpack their suitcases from the 2019 Olympia Days trip before flying off to Washington, D.C., to meet with Washington state's federal delegation and participate in the National Association of Wheat Growers' winter meetings.

"Winter is our meeting time, the time when growers can more easily get away from the farm to take care of the business of advocating for our industry," said Michelle Hennings, executive director of the Washington Association of Wheat Growers (WAWG). "Our meetings on Capitol Hill are a chance to interact with our federal delegation and build on the relationships we've developed. We also take part in committee meetings, which provide direction for our national wheat organization, the National Association of Wheat Growers, or NAWG."

The importance of trade and implementation of the 2018 Farm Bill were the main topics discussed with legislators (see box for other topics). WAWG was able to meet with nearly every member of the state's federal delegation or their aides. They were joined by members of the Washington Grain Commission and Derek Sandison, director of the Washington State Department of Agriculture. Wheat growers also met with top agency officials including:

- The U.S. Army Corp of Engineers where the Columbia-Snake River System was discussed, including the importance of the Snake River dams.
- The U.S. Department of Interior to discuss the Snake River dams.
- The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service where farm bill conservation programs were discussed.
- USDA's Farm Service Agency (FSA) where conservation program and farm bill implementation were the top topics. They also discussed the issue of incomplete or missing data that has been used to determine farm program payments, something that has been a major issue in Washington state.
- USDA's Risk Management Agency where the impact of quality discounts on a producer's actual production history was discussed, as well as farm bill implementation.
- USDA's Office of the Secretary to discuss conservation programs.
- USDA's National Agricultural Statistics Service (NASS) to talk about farm bill implementation and the issue of incomplete NASS data being used by FSA to determine farm program payments.

One of the highlights of the trip was the opportunity to meet with members of the Senate Committee on Agriculture, Nutrition and Forestry, Wayne Stoskopf and Janae Brady, to talk about the 2018 Farm Bill and trade. Will Stafford, the agricultural legislative assistant for Sen. Pat Roberts (R-Kans.), also attended the meeting. The ag committee staffers shared their thoughts on the new U.S.-Mexico-Canada Agreement as well as the ongoing trade situation regarding retaliatory tariffs on agriculture.

WAWG was also able to present three Washington legislators with NAWG's 2018 Farm Advocate award: Rep. Dan Newhouse, Rep. Cathy McMorris Rodgers and Sen. Maria Cantwell. Former Washington Congressman Dave Reichert also received an award, which WAWG will deliver at a later date.

Photos from the D.C. trip are on the following pages, along with some of the trade impact facts the WAWG group shared with legislators and agency staff members. ■

WAWG federal priorities 2019

TRADE

Trade is crucial as approximately 90 percent of Washington wheat is exported. WAWG strongly supports the negotiation and ratification of the United States-Mexico-Canada Trade Agreement (USMCA) and oppose any withdrawal from the North American Free Trade Agreement (NAFTA) prior to the USMCA ratification. Under no circumstances should U.S. wheat farmers be put at a disadvantage by having higher tariffs on wheat than our competitors, particularly in Japan. We need a level and fair playing field.

FARM BILL IMPLEMENTATION

WAWG supports USDA implementing provisions of the 2018 Farm Bill in a timely manner. The shutdown has delayed USDA from moving forward on farm bill implementation. This has allowed for uncertainty and delay for farmers to re-elect between ARC and PLC for the 2019 crop year. Farmers also have uncertainty on how conservation programs will be implemented (CRP changes, CSP and EQUIP).

RESEARCH

WAWG supports FY2020 USDA-ARS salaries and expenses at or above FY2018 and FY2019 funding levels to enhance the nation's agricultural research capacity and ag economy.

INFRASTRUCTURE

WAWG supports funding to maintain and make improvements to rural Washington roads, river and rail systems. WAWG supports keeping the lower Snake River dams intact as they are vital to Washington and the nation's ag economy and transportation infrastructure. WAWG supports immediate action regarding the Columbia River Treaty, which protects viability of U.S. navigation, hydro-power, irrigation and flood control. ■

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Washington state wheat growers were proud to give Rep. Cathy McMorris Rodgers the National Association of Wheat Growers' 2018 Wheat Advocate Award. Pictured (from left) are Gary Bailey, chairman of the Washington Grain Commission (WGC); Marci Green, past president of the Washington Association of Wheat Growers (WAWG); Howard McDonald, WAWG secretary/treasurer; McMorris Rodgers; Jeffrey Shawver, WAWG president; Joe Bippert, WGC program director; and Mary Palmer Sullivan, WGC vice president.



Washington Association of Wheat Growers past president, Marci Green (third from left), takes part in the National Association of Wheat Growers' committee meetings last month in Washington, D.C.



Jeffrey Shawver (third from left), president of the Washington Association of Wheat Growers, takes part in National Association of Wheat Growers committee meetings.

Washington wheat growers were able to sit down and talk with members of the Senate Committee on Agriculture, Nutrition, and Forestry about trade and farm bill implementation. Pictured (from left) are Janae Brady, senior professional staff, Senate Ag Committee; Wayne Stoskopf, professional staff, Senate Ag Committee; Will Stafford, agricultural legislative assistant for Sen. Pat Roberts (R-Kans.); Howard McDonald, secretary/treasurer of the Washington Association of Wheat Growers (WAWG); Marci Green, WAWG past president; and Michelle Hennings, executive director of WAWG.





Unfortunately, Sen. Maria Cantwell was on the Senate floor, so she was unable to meet with wheat growers. Instead, legislative assistants, Megan Thompson and Jonathan Hale were available. Pictured (from left) are Glen Squires, CEO of the Washington Grain Commission (WGC); Michelle Hennings, executive director of the Washington Association of Wheat Growers (WAWG); Mike Carstensen, WGC commissioner; Ryan Poe, WAWG vice president; Hale; and Thompson.



Washington, along with other states, were able to sit down with Astor Boozer (left), regional conservationist-west, Natural Resources Conservation Service, to talk about farm bill conservation programs.

Trade impact #1: Mexico was #1 U.S. wheat export market in 17/18 and now Philippines is #1. Japan is #2 U.S. export market, #2 market for Washington wheat and #1 market for club wheat, which is grown mostly in Washington.



Trade, farm bill implementation and transportation were all discussed with Rep. Suzan DelBene. Pictured (from left) are Glen Squires, Washington Grain Commission (WGC) CEO; Marci Green, past president of the Washington Association of Wheat Growers (WAWG); Gary Bailey, WGC chairman; DelBene; Michele Hennings, executive director of WAWG; and Ryan Poe, WAWG vice president.



Trade impact #2: There can be no doubt U.S. wheat farmers are being hurt by trade tariffs. According to U.S. Wheat Associates, estimated losses have reached well over \$325 million to China alone.

The group takes advantage of the subway to move back and forth between the Capitol Building and the Senate buildings.



Trade impact #3: Historical data shows that once competitors achieve favorable trade positions, the process of regaining lost market share can take years to achieve, if possible.

Rep. Dan Newhouse also received a 2018 Wheat Advocate Award from the National Association of Wheat Growers. Washington growers on hand to present him the award were (from left) Michelle Hennings, Washington Association of Wheat Growers (WAWG) executive director; Gary Bailey, Washington Grain Commission (WGC) chairman; Newhouse; Ryan Poe, WAWG vice president; Marci Green, WAWG past president; and Glen Squires, CEO of the WGC.



The group talked about trade and farm bill implementation with Sen. Patty Murray. Pictured (from left) are Zach Mallove, legislative assistant to Sen. Murray; Howard McDonald, Washington Association of Wheat Growers (WAWG) secretary/treasurer; Glen Squires, Washington Grain Commission (WGC) CEO; Michelle Hennings, executive director of WAWG; Marci Green, WAWG past president; Gary Bailey, WGC chairman; Ryan Poe, WAWG vice president; Murray; Mike Carstensen, WGC commissioner; Jeffrey Shawver, WAWG president; Mary Palmer Sullivan, WGC vice president; Joe Bippert, WGC program director; and Jason Smith, legislative assistant to Sen. Murray.

Trade impact #4: Ongoing concerns with China, Japan and even uncertainty about the new USMCA put about 25% of average annual U.S. wheat exports at risk.

Ben Bruns (third from left), legislative assistant to Rep. Jaime Herrera Beutler, takes notes while the Washington group talks about trade, farm bill implementation and transportation. From left are Glen Squires, Washington Grain Commission (WGC) CEO; Marci Green, Washington Association of Wheat Growers (WAWG) past president; Bruns; Michelle Hennings, WAWG executive director; Gary Bailey, WGC chairman; and Ryan Poe, WAWG vice president.





The Washington growers met with the newest member of Washington's Congressional delegation, Rep. Kim Schrier, to talk about trade and the farm bill and to educate her on the wheat industry. Pictured, from left, are Howard McDonald, Washington Association of Wheat Growers (WAWG) secretary/treasurer; Glen Squires, Washington Grain Commission (WGC) CEO; Marci Green, WAWG past president; Mike Carstensen, WGC commissioner; Schrier; Nicole Berg, secretary of the National Association of Wheat Growers; Michelle Hennings, WAWG executive director; Jeffrey Shawver, WAWG president; Derek Sandison, director of the Washington State Department of Agriculture; and Gary Bailey, WGC chairman.

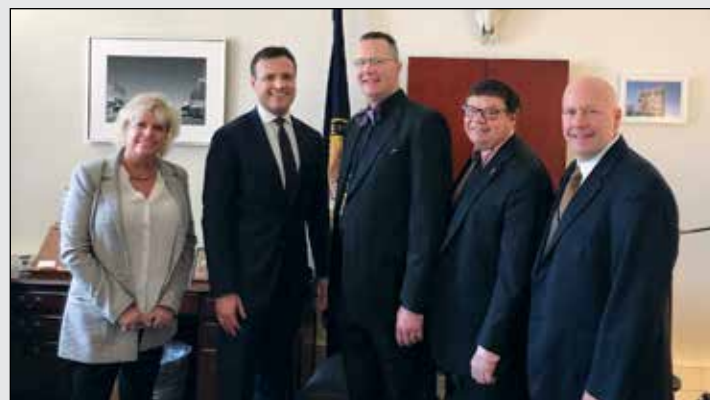
Trade impact #5: Wheat farmers and customers need stability. The current trade environment creates uncertainty in our trading relationships.



The dams along the Columbia-Snake River System were the topic under discussion during a meeting with Steven Kopecky (center), deputy chief of the Northwestern and Pacific Ocean Division of the U.S. Army Corp of Engineers



Dams and infrastructure were the main topics discussed during a meeting with Timothy Petty (center), assistant secretary for Water and Science at the U.S. Department of the Interior.



Nicole Berg, secretary of the National Association of Wheat Growers and a Benton County grower, met with Ambassador C.J. Mahoney (second from left) of the Office of the U.S. Trade Representative. Also in the meeting (from left) were Brian Linin, Kansas Wheat Commission (KWC) commissioner; Jay Armstrong, KWC commissioner; and Justin Gilpin, CEO of KWC.

AMMO kicks off 2019 series with weather, ag unknowns

By Lori Williams
WAWG Outreach Coordinator

The first session of the Agricultural Marketing and Management Organization (AMMO) 2019 winter series was held in mid-February and featured two presentations on agricultural policy and weather outlooks.

Clinton Griffiths, news anchor of AgDay TV, presented "Grit and Grease-Surviving in 2019 and Beyond." He spoke on several topics, including trade, farm bill implementation, general farm economy and future opportunities for growers. The 2019 year started off with a lot of unknowns, and Griffiths encouraged the group to recognize and prepare for those unknowns.

On the trade front, wheat markets in China and Japan were the main focus. Negotiations continue, with an initial deadline with China of March 2. According to Griffiths, farm goods are caught in the cross fire of trade talks with danger to the economies of all countries involved if agreements are not reached.

Farm bill implementation is in the works, with a listening tour currently underway. Griffiths projects a midyear rollout, similar to the timing of the 2014 Farm Bill rollout. He stressed management is key to staying in business in the coming years, encouraging the group to be creative in diversifying their operation.

James Garriss of Browning Media presented "The New Normal of Natural Weather and Climate." The

Lets Talk Wheat

Winter Wheat

- 31.3 Million Acres
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- Down 4% (1.25 M)
- HRW: 22.2 Million Acres (3%)
 - Record Low in NE
 - Down 6% in KS
 - MT Higher following 2018 low
- SRW: 5.66 Million Acres (7%)
- WWW: 3.44 Million Acres (3%)



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2019 Outlook

- John Deere is bullish
- El Nino Year—Wetter and Warmer (UPDATE)
- Commodities Likely Steady
- Management Key to staying in Business
- Diversify, Be Creative



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CONCLUSIONS

2

CLIMATE CHANGE IS NOT LINEAR. IT EBBS AND FLOWS

- ▶ **The Atlantic is at its peak of heat**, the Pacific normally has warm water against the eastern coasts of Australia and Asia and cooler water against the west coasts of North and South America. The Indian Ocean is switching into a positive trending dipole.
- ▶ **There is a 65% chance that an El Niño will occur in winter**. This El Niño will be weak to moderate and last through at least early spring.
- ▶ The timing of 2018/19 El Niño will have a dramatic impact on weather here and abroad. It will...
 - ▶ Create a higher risk for hot and dry conditions throughout most of spring.
 - ▶ Create storms activity that will be short and strong creating flash flooding risks.
- ▶ A winter El Niño will bolster precipitation in Brazil and Chile's late spring and summer crops. Argentina will suffer from drought like conditions and low soil moisture.
- ▶ **Historically, El Niño decreases and La Niña increases global agricultural commodity prices**. It has the opposite impact on tropical commodities.

focus of the presentation was to provide an international perspective to weather, climate and its impact around the globe. Garriss predicted a 65 percent chance of an El Niño in the coming year, along with hot and dry conditions through most of the spring.

Two other AMMO seminars were held in February covering ag market outlooks and marketing fundamentals, as well as wheat varieties available to meet current challenges. Those seminars will be covered in the next issue of *Wheat Life*. Planning is underway for the ever-popular Wheat College event, which is scheduled to be held June 6 in Dayton, Wash. Please watch our website at wawg.org/ammo-workshops/ for more information on Wheat College.

The Washington Association of Wheat Growers is also closely watching farm bill implementation and plans to partner with Washington State University Extension to hold educational seminars to roll out information to growers as it becomes available. Watch for additional information in future editions of *Wheat Life*. ■

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James Garriss predicted a 65 percent chance of an El Niño in the coming year, along with hot and dry conditions through most of the spring in the Pacific Northwest and southwest Canada.

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Data dispute

GROWERS GET A VICTORY IN 2018 FARM BILL, BUT INDUSTRY STILL FIGHTING TO CORRECT PAST YEARS

By Trista Crossley

In the struggle to help growers maintain their livelihoods, the Washington Association of Wheat Growers (WAWG) was able to help win one battle in the 2018 Farm Bill, but the war isn't over yet.

In the past year, growers have been raising a red flag about why farm payment programs haven't been triggered in spite of below-average yields, especially for the Agricultural Risk Coverage-County (ARC-CO) program. Growers in Spokane County had poor spring wheat yields in 2017, but no program payment was triggered. The average winter wheat yield in Benton County in 2017 was reported to be 82 bushels per acre, a total unlikely in an area that averages 8" of rain a year.

The culprit eventually turned out to be the National Agricultural Statistics Service (NASS) data used by the Farm Service Agency (FSA). In order for NASS to publish a number, they have to have at least 30 reports or reports that cover 25 percent of harvested acreage. In the Spokane County case, NASS was unable to collect enough spring wheat data through grower surveys to determine a spring wheat yield, so the much higher winter wheat data was used instead. In Benton County, NASS doesn't differentiate between irrigated and nonirrigated wheat, resulting in a county average that doesn't accurately reflect dryland yields.

In both cases, FSA's hands were tied, as the directive to use only NASS data came from top U.S. Department of Agriculture (USDA) officials despite growers and industry groups advocating for the use of Risk Management Agency (RMA) data. RMA data is widely considered to be more accurate as it uses information collected for crop insurance that growers are legally required to accurately report. NASS relies on voluntary grower responses that may or may not be accurate.

WAWG and the national wheat organization, the National Association of Wheat Growers (NAWG), brought the issue to the attention of the U.S. Senate and House ag committees who included language in the 2018 Farm Bill directing FSA to prioritize data from RMA over NASS when determining yields. The farm bill also requires the secretary of agriculture to establish separate county yields when at least 5 percent of the acres in a county are irrigated or nonirrigated. This fixed the issues going forward, but WAWG is still working to get USDA to reconsider prior years where insufficient data might have negatively impacted program payments.

"This was an issue that WAWG worked very hard on for our growers," said Michelle Hennings, executive director. "We did multiple fly-ins in 2018 while the farm bill was being written, and we brought up this issue at every meeting we had with the ag committees, FSA and NASS. We visited high-level USDA administrators and explained the problem. We wrote letters and made phone calls. Growers wrote letters and made phone calls. Sometimes it felt like we were on a hamster wheel, and no progress was being made. But in the end, we got the fix we needed going forward. Now we just need to get USDA to reconsider the data from previous years."

Hennings said WAWG became aware of the problem in mid-2018. The first stop was at the state FSA office which directed WAWG to the national office.

"We did everything we could do at the state and national level as Washington state alone, but we were just one voice, and we needed the other states to weigh in. That's when we turned to NAWG for help and getting support from other states," Hennings

said. "As a grower-supported organization, we want to work as hard as we can to make sure our farmers are being recognized when there are issues and to fix them. Sometimes those issues can be very difficult to fix because D.C. is so big, and we are only one state."

While the issue of program payments being based on inconsistent data only came to light recently in Eastern Washington, the issue has been around since at least the implementation of the 2014 Farm Bill, according to Josh Tonsager, NAWG's vice president of policy and communications.

"Part of the challenge came down to the 2014 Farm Bill, which gave USDA flexibility in determining the yield cascade," Tonsager explained. The yield cascade tells USDA agencies where they can get data from for farm programs. "The first priority was NASS, then to similar counties, then to RMA. When they set that, they were unwilling to move from it. That was set in the first year of implementation."

USDA was concerned that deviating from that established yield cascade could open the agency to possible litigation and put any pending appeals in jeopardy. As a result, FSA had very few options open to them. Tonsager said the only way to fix the issue was to include language in the 2018 Farm Bill. Coming to a consensus with other commodities, such as corn and soybeans, to support RMA as a yield source gave NAWG a lot of traction on Capitol Hill. Another reason they were successful is that the provision in the farm bill didn't have a cost associated with it.

"Essentially (the 2018 Farm Bill) says in any county where a crop insurance product is available, USDA has to use county average yields from RMA for the ARC program. If the county doesn't have a crop insurance product available, it gives discretion to USDA in how to deter-



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mine the yield," Tonsager said.

Going forward, wheat groups will be closely watching how this provision in the farm bill is implemented. Tonsager said NAWG wants to make sure that USDA uses a consistent data source—RMA data versus a combination of RMA and NASS data—when setting program benchmarks.

One of the first Spokane County people to recognize that there might be a problem was Jake Holling, vice president of ag lending at First Interstate Bank in Fairfield, Wash. Holling said he tracks yearly NASS yield data to help his customers make financial decisions. When he started looking at the 2017 Spokane County data, it looked...off.

"The data was higher than it had been historically. That year (2017) we had had strong winter wheat yields and poor spring wheat yields, so I was surprised," he said. "I went back and looked at the NASS data for the 2017 crop year and saw that the final yield for the county matched the winter wheat yield exactly. But that wasn't right because the spring wheat yield should have brought that down a bit."

Holling contacted NASS, who told him they hadn't gotten enough spring wheat responses to publish a separate spring wheat yield, so the winter wheat yield was used instead, resulting in no yield loss for spring wheat, hence no payment. Holling then went to the state FSA office who told him their hands were tied as they were required to use NASS data. By looking at historical data and based on the maximum payment for all the base wheat acres in Spokane County, Holling estimates that growers might have lost millions in 2017 ARC-CO payments.

About this same time, some Spokane County growers were also noticing a problem and making their

concerns heard. Debbie McGourin was one of those growers, but she became aware of the issue while working on Spokane County's open spaces program, which uses RMA yield data. She said she had a gut feeling that something wasn't right. That was confirmed when she met with her banker in March and was told there would be no ARC-CO payment.

"I was like, we had a major crappy spring wheat yield in 2017, and that should have triggered a payment in 2018 that we were projecting," she said. McGourin drafted a memo with leaders from the Spokane County Association of Wheat Growers and sent that to WAWG, who forwarded it to the state and national FSA and NASS offices. McGourin followed up that memo with additional letters to FSA, NASS and Ag Secretary Sonny Perdue in late 2018.

"As a Washington Association of Wheat Growers member, I had somebody to go to, and that person was Michelle (Hennings). She was persistent," McGourin said. Through her contacts, Hennings eventually got a spreadsheet from the



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national FSA office (covering 2012-2017) that showed 2017 wasn't the only year Spokane County was missing NASS data. No spring wheat data was reported in 2016, and no winter wheat data was reported in 2013. That spreadsheet indicated to McGourin that the whole benchmark for ARC-CO was suspect.

"Statistically, if you leave something blank, you usually have thousands of data points, so eliminating that blank cell out of your statistical database doesn't really affect it. But when you have 12 numbers and you've left three of them blank, that affects your dataset," she said. "Those calculations are the trigger point that says yes or no (if a payment is triggered). The calculations for our county



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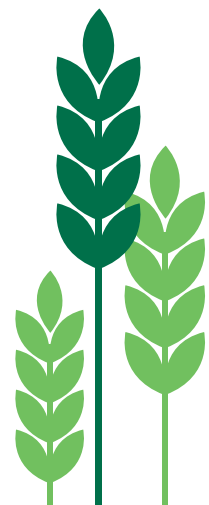
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have been incorrect since 2013.”

Jackie Tee is another farmer from Spokane County who figures she should have gotten an ARC-CO payment for her 2017 spring wheat. She wondered if one of the reasons NASS didn't get enough spring wheat responses to their surveys that year was because of the fact that many farmers were unable to plant spring wheat early enough due to an unusually wet spring. While she is glad that the problem is fixed going forward, she believes FSA should go back and recalculate the years with missing data.

“On our farm, we didn't do preventive planting. We planted every acre, and yes, we had a reduced yield,” she said. “I would just like them (FSA) to do the right thing, and the fact that a lot of people didn't even get spring wheat seeded because of the wet spring and did preventive planting instead might have had something to do with it, but that shouldn't have an impact on the rest of us who did plant spring wheat.”

In mid-February, WAWG officers and staff were able to discuss reconsidering program payments in previous years with several top USDA officials. That request was met with little enthusiasm, but Hennings said WAWG wasn't giving up.

“It's something we are still working on, and we will continue to bring up in our meetings with legislators and agency staff,” she said.

While WAWG and NAWG are working with USDA to try to get the agency to reconsider the Spokane County problem, there might be a glimmer of hope for Benton County growers.

A \$5 million ARC-CO pilot program will allow state FSA offices to choose up to three counties with 2017 yields that vary the most from same-year yields in contiguous

counties and recalculate the yields by using alternative data sources, such as RMA. Those new yield averages will then be presented to the national office for reconsideration of ARC-CO payments. In an email to WAWG, the Washington State FSA office said it is submitting Benton County as a candidate for some of the funds. Two contiguous counties—Klickitat County in Washington and Morrow County in Oregon—that don't differentiate between irrigated and non-irrigated yields had an average winter wheat yield of 35.5 bushels, 46 bushels less than Benton County's official NASS yield of 82 bushels.

Unfortunately, Spokane County's situation looks to be a little shakier. According to the email from FSA, the yield disparity between Spokane and surrounding counties isn't large enough to qualify for the pilot program. At press time, the state FSA office had no further information available on the status of Benton County and the pilot program but assured WAWG they were still working on it. ■



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Phillip Gross
2018 National Wheat Yield Contest winner
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Growing wheat successfully is a mix of many things: experience and improvisation, agronomics and management practices, seed genetics and the right inputs. And, according to 2018 National Wheat Yield Contest winner Phillip Gross, keeping your crop happy.

“Try to create excellent conditions for your crop to grow and flourish. Don’t be afraid to spend money on your crop — invest in it,” said Gross, of Warden Hutterian Brethren Farm in the Columbia Basin of Washington state. “Feed your crop the nutrients it needs when it needs it. Protect your crop from diseases and insects with the best products possible before problems develop.”



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after a Nexicor fungicide application.” While Gross appreciates the application flexibility he gets, Nexicor fungicide is especially important to apply at flag leaf stage, which produces up to 70 percent of photosynthate for grain fill, helping a grower maximize yield potential.

As a three-time National Wheat Yield Contest winner, Gross emphasizes the importance of being proactive. “Once a crop goes into a deficit situation, whether it’s nutrition or water, it’s too late, you can’t catch up. Timing is critical for fertility, water and disease management. It’s hard to do but crucial to maximizing yield and quality.”

As for what keeps him coming back each year to enter the contest, that’s easy. “We enter to win, of course,” he laughed. “Seriously though, we enter to see how good a crop we can grow. We improvise when we must, but sometimes we stumble upon solutions and techniques that carry us across the finish line. Trying to improve each year is a personal challenge.”

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CHAIRMAN

WASHINGTON GRAIN COMMISSION

By Gary Bailey



Last January, I visited Portland to attend the second Falling Numbers Summit. The purpose was to review the research to solve the falling numbers dilemma. Consider this an update.

At the first summit, held in February 2017, several research objectives were identified. At the top of the list was increasing the accuracy of the current Hagberg-Perten Falling Numbers test. I can report that procedures for performing the test have been standardized, and all technicians should be following the same protocol. This update will be implemented by all state and federal inspectors.

Further changes to the test will be implemented this May. Steve Delwiche of the Agricultural Research Service's Maryland office obtained access to the Army's hypobaric chamber to perform the falling number test at different barometric pressures. Using this research, he developed a new equation allowing continuous falling number correction for variations due to differences in altitude and in daily fluctuations in atmospheric pressure. This procedure puts all tests on par. In other words, a test done in Spokane, Colfax, Pasco or Portland should yield the same result. Currently, the only adjustment is above or below 2,000 feet elevation.

Another priority was to develop a rapid and simple test for use by grain elevators and growers to determine grain quality. Paul Katovich, CEO of HighLine Grain, presented the challenges the industry faces in trying to segregate grain as it's being delivered in years when falling numbers is a problem.

Sometimes grain is segregated by area, sometimes by variety. We all know that 300 seconds is the minimum number for the falling numbers test before discounts are applied. This segregation is crucial to keep the very low-quality grain from entering export markets.

Back to the quick test for elevators. A test strip approach is being pursued with the hope of coming up with something which would give a green/yellow/red light result. Unfortunately, this is a case of reinventing the wheel. Bayer had a test, but it wasn't accepted by industry, and the company has dropped it from their product line. Efforts to get the patented antibodies from Bayer were unsuccessful, meaning researchers need to recreate a variation of their own.

Another approach is to develop a falling number test that gives quick answers that doesn't destroy the sample, which occurs now. Research will explore using facial recognition technology with sophisticated filters to de-

termine falling number values by looking at images that actually penetrate the kernel. As mentioned above, this technology doesn't destroy the sample, which would allow for repeated tests of the same sample. But it remains to be seen if this technology will work.

Research to study the difference between late maturity alpha-amylase (LMA) and preharvest sprout (PHS) is yielding some interesting results. PHS is the result of sprouting in the head when we receive substantial rain during harvest. LMA happens in a short window, about 25 days after flowering, give or take a few days. Previously it was thought the LMA trigger needed the shock of both high and low temperatures. Research revealed at the summit, however, suggests it's the low temperature alone that triggers the phenomenon.

The difference in end-use quality of wheat affected by PHS versus LMA is also being studied. LMA appears to have a less serious effect on baking quality than PHS, but this needs more careful examination, as both cause the starch-to-sugar conversion. Breeding resistant varieties will be the long-term solution to the falling number problems. Breeding wheat with a resistance to PHS does not mean that it will be resistant to LMA, and vice versa, as they are separate occurrences.

Collecting information on falling numbers has been ongoing since 2011 through funding by the Washington Grain Commission (WGC). The commission has directed more than \$500,000 towards solving the falling numbers problem. The WGC was also instrumental in helping secure an annual \$1 million congressional appropriation to the Agricultural Research Service located in Pullman to hire a biochemist to help lead the research effort on the falling number challenge throughout the U.S. and the Pacific Northwest. Research will be coordinated with ARS scientists, as well as researchers from Washington State University (WSU), University of Idaho and Oregon State University.

As with any problems we face as an industry, we want quick solutions. Attending this meeting made me realize just how hard researchers are working on solutions for falling numbers. The easy research has been completed, and steady progress is being made on methods to help the industry deal with affected grain. Final solutions will take time. In the meantime, researchers recommend growers use information found on the WSU Small Grains Website and the Pacific Northwest FN website (steberlab.org) to help identify varieties that exhibit stronger falling number scores in your area. ■

REVIEW

WASHINGTON GRAIN COMMISSION

There will be a quiz

Soft white wheat has a subclass called club wheat, but there's another distinction between varieties of soft white which confer slightly stronger (or weaker) soft white flour gluten. The two distinctions are referred to as 5+10 and 2+12, with 2+12 being the weaker of the two. Based on the formula for evaluating varieties for quality, the largest part of which is based on milling and cookie baking scores, the 212s, as they are referred to colloquially, consistently rank higher on the quality matrix than the 510s. There are no most desirable 510s, for example, in the rankings of varieties in the Preferred Variety Brochure, assembled by the Washington Grain Commission (WGC) with data from the Western Wheat Quality Lab of the U.S. Department of Agriculture. But according to Agricultural Research Service (ARS) and Washington State University (WSU) breeders, 510s are an important contributor to the overall quality of the soft white wheat crop, and they represent a case where planting only the highest ranked varieties may not always be the best decision. Speaking at a grain commission meeting held in January at the Residence Inn on the WSU campus in Pullman, ARS club wheat breeder Kim Campbell, WSU winter wheat breeder Arron Carter and WSU spring wheat breeder Mike Pumphrey attested to the need to continue to breed both types of soft white in order to provide the functionality customers have come to expect. ■

An uphill battle

You think the battle against GMOs is bad in the U.S., the situation is much worse in China where a recent survey found just more than one in 10 respondents had a positive view of GM food, with more than 45 percent opposed to it. Not to mention, nearly one in seven believe the technology is a form of bioterrorism targeted at China. The theory goes that America and other countries will use their GM expertise to gain control of China's food supply. Hard to believe that in 1992, China became the first country in the world to allow commercial production of a GMO plant (tobacco). Part of the reason consumers are so suspicious of GMOs is because of food safety failures in China, like the tainted milk in 2008 that hospitalized thousands of children. Recently, however, in the background of contentious trade talks between the U.S. and China, Chinese regulators approved the importation of five genetically modified soybeans, corn and canola varieties. U.S., Canadian and Brazilian farmers have waited for years for Chinese approval of these crops. Some are characterizing the Chinese decision as the moment the levees broke. ■

Weather or not

Would it make sense to extend Washington State University's (WSU) Ag Weather Net (AWN) system into the dryland wheat regions of the state? That question is open to debate, but maybe, with a new AWN director recently hired, it's time for the discussion. Dave Brown, who serves in the Department of Crop and Soil Sciences at WSU in Pullman, has multiple advanced degrees, including a Ph.D. in soil science and masters' degrees in biometry (applied statistics) and geography. Currently, the system's weather stations are predominantly located within the irrigated regions of the Columbia Basin where the AWN network can be used in real time to change farming operations. Only a few weather stations have been extended into dryland areas because there isn't much dryland farmers, who depend on rain-fall, can do with the information. But could more dryland-based stations help research the weather phenomenon that initiates the late maturity alpha-amylase falling number phenomenon? Or could they lead to further understanding of the rotations possible in specific microclimates, not to mention, provide farmers accurate wind speeds for spraying? With a new man in the top job, it may be time for the wheat industry to ask those questions. Brown is also said to be exploring how individual farmers can link their personal weather stations into the AWN system, a much less expensive alternative than installing a complete weather station. ■





Hail to the staff!

The Washington Grain Commission's (WGC) executive staff were presented with plaques recently recognizing their combined 75 years of experience to Washington state and the grain industry. Mary Palmer Sullivan (front), WGC vice president, has worked for the grain industry for 30 years, 19 of those with the Washington Barley Commission. WGC CEO Glen Squires (second row on right), began his career with what was then the Washington Wheat Commission as director of project management and evaluation. He became CEO in 2012, for a total 25 years of service. Scott Yates (second row on left), director of communications and producer relations, received his 10-year pin, as did program director Joe Bippert, who has been with the commission two years but served with the Washington State Department of Agriculture for eight years before that. Gary Bailey, chairman of the WGC, praised the executives as talented and dedicated. "The wheat industry in Eastern Washington is fortunate to have the caliber of our staff working on their behalf," he said. ■

The shoe drops

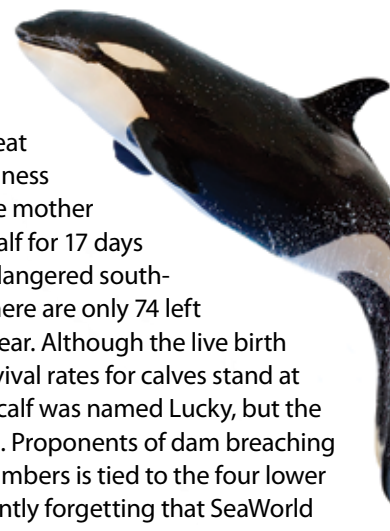
On April 1, 2019, U.S. wheat will suddenly become \$14 per ton more expensive in the Japanese market. That's when tariff reductions for countries that are members of the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) go into effect. Japan, along with major wheat producers Canada and Australia, are part of the pact. The U.S. isn't. If a trade deal between Japan and the U.S. isn't negotiated, the price disadvantage will grow to \$70 per ton by 2027. Japan and the U.S. have announced plans to begin negotiations on a bilateral pact in 2019. ■

Who to believe?

In isolated, 2,200-square-mile Ferry County, located in the northeast corner of Washington, every citizen has access to broadband internet. At least that's what the Federal Communications Commission (FCC) reports. The reality is otherwise. Beyond a cluster of blocks around the small town of Republic, high speed service drops off. A new study by Microsoft researchers confirms the paucity of high-speed service in Ferry County and all across rural America. Microsoft concluded that 162.8 million people do not use the internet at broadband speeds. The FCC puts the number at 24.7 million. While the FCC says everyone in Ferry County has access to the service, the Microsoft study estimated that only 2 percent of the county's population did. Accurate measurements matter because government statistics drive policy and channel federal funding. And by the way, there is a strong correlation between joblessness and low rates of broadband use. ■

Good news!

The birth of a calf to the Puget Sound orca pod is great news after the universal sadness that came in the wake of the mother orca that carried her dead calf for 17 days last summer. Part of the endangered southern resident killer whales, there are only 74 left with three whales lost last year. Although the live birth is cause for celebration, survival rates for calves stand at about 50 percent. The new calf was named Lucky, but the sex has not been confirmed. Proponents of dam breaching argue the decline in orca numbers is tied to the four lower Snake River dams, conveniently forgetting that SeaWorld harvested many orcas for their aquariums; that orca numbers worldwide are on the decline; and the fact that salmon numbers in the Snake River are increasing while numbers in western Washington rivers are on the decline. ■



Fewer people, more pets

Japan has gone to the cats! Within the last few years, felines overtook dogs as the pet of choice. But dogs are also big business. Many dogs in large cities nowadays wear clothes and ride in the equivalent of a baby stroller. A Japanese sociologist suggested that with people having fewer relatives, they aren't getting the affection they need, and pets fill that role. Japan has been the Northwest's most consistent customer for soft white wheat since the 1950s, remaining one of the top three markets for the Northwest grain since then. ■

Need for speed— and better varieties

Northwest farmers who still aren't convinced that quality makes a difference when it comes to wheat need to listen to Hayden Wands, vice president for global procurement at Grupo Bimbo S.A.B de C.V., the largest bakery company in the world. Wands said a number of varieties in hard winter wheat states have been unsatisfactory for the last several years. "Our bakeries used to produce 70 loaves a minute. Now they produce 150 loaves a minute. The room for error is much more limited," Wands said, adding that when he talks to producer groups about the changes, "I tell them with their wheat, they make a very good 8-track tape. But I don't have an 8-track player anymore. We're well beyond that." Clean labels are driving the need for better flour quality. The ability to use so-called "magic dust," that is additives to improve flour functionality, is now frowned upon. Bimbo has reduced the number of ingredients in some of its breads and baked foods by about 25 percent. ■

Calling all bakers ...and artists

If you've ever wanted to indulge in bread sculpture, the "Kansas Wheat Commission 2018 Recipe Book" is just for you. Subtitled "Bread Sculptures For All Seasons," recipes include how to make graduation diploma "rolls," a teddy bear, a buzzing bee or a friendly fish, all out of bread dough. The 35-page recipe book is a promotion of the Kansas Wheat Commission, which also runs the Festival of Breads competition, billed as America's Baking Competition. A hard copy of the recipe book is available by contacting Kansas Wheat. ■

Awarding excellence at Farm Forum

Mary Palmer Sullivan, vice president of the Washington Grain Commission, was honored with the Excellence in Agriculture Award, presented by the Spokane AgriBusiness Council of Greater Spokane Inc., during the opening of the Pacific Northwest Farm Forum Feb. 5, 2019. Sullivan has been vice president of the Washington Grain Commission (WGC) since 2010 and worked for the Washington Barley Commission for 19 years before that. She has been involved with the Agribusiness Council of Greater Spokane for almost 30 years and has served multiple terms on both the Spokane Ag Expo board of directors and Farm Forum committee. She has also served on the Spokane County Conservation District board of directors. Tim Cobb, president of Ag Expo, noted Sullivan's agricultural accomplishments, including her efforts on behalf of wheat grower research priorities as well as her political acumen in Washington, D.C. Glen Squires, CEO of the WGC, said the award acknowledges Sullivan's strengths that the small grains industry has long been aware of.



"I'm thrilled Mary is receiving the recognition she so richly deserves," he said. Sullivan's thank you speech was short and sweet. She had to leave immediately to fly to Washington, D.C., for visits on Capitol Hill. ■

Cougars in the variety hunt

Washington State University offerings lead the top 10 most popular soft white winter (SWW) wheat varieties grown in the state, according to data compiled by the Washington State Crop Improvement Association and assembled by the Washington Grain Commission. Otto was the state's No. 1 soft white wheat variety in 2018 with an estimated 207,147 acres planted. Curiosity CL+, a two-gene Clearfield release, was the runner up at 158,011 acres with former No. 1, SY Ovation, falling to No. 3 with 137,878 acres. Limagrain has the second most SWW offerings with LCS Artdeco coming in seventh place with 47,104 acres, LCS Drive at 38,646 acres and Northwest Duet, a release shared with Oregon, in the tenth slot at 38,014 acres. University of Idaho variety UI Magic was in fourth place with 114,756 acres. Bruehl continues to top the winter club wheat acres with 68,637 to 65,440 for Crescent. The gap between the two is much narrowed since Bruehl began showing susceptibility to the late maturity alpha-amylase phenomenon which causes low falling numbers. For the hard red winter class, LCS Jet from Limagrain takes top honors with 110,219 acres, with Keldin from Westbred coming in at 82,450 acres and SY Clearstone in third at 37,753 acres. Other top varieties (in acres) include soft white common spring: Louise with 52,557; Seahawk with 28,120; and WB6121 with 27,525. Soft white spring club: JD at 21,447 and Melba at 4,778. Hard white spring: WB Hartline at 3,954 and LCS Star at 352. Hard red spring: Espresso at 48,787; Glee at 39,503; and WB9668 at 28,815. For a complete listing, go to wagrain.org. ■

Ivan Goh: Born to the food industry

Name: Kong Song “Ivan” Goh

Title: Biscuit/Bakery and Noodle Technologist

Office: U.S. Wheat Associates (USW) South Asia Regional Office, Singapore

Providing Service to: Indonesia, Malaysia, Myanmar, Republic of the Philippines, Singapore, Sri Lanka, Thailand and Vietnam

Regional Profile: Rapidly rising disposable income and urbanization in South Asia are opening markets for baked goods, biscuits, cakes and other foods that require more types of higher quality flour. As the milling and wheat foods industries rush to increase capacity, USW is helping them improve and expand product lines using high quality soft white for cake, biscuit and confectionery flour and U.S. hard red winter and hard red spring for bread flour. USW also conducts baking seminars to introduce new products with higher profit margins using flour milled from U.S. wheat. ■

Editor’s note: This is the first in a series of posts profiling U.S. Wheat Associates technical experts in flour milling and wheat foods production.

By Steve Mercer

USW Vice President of Communications

From far southern Myanmar and southwest Thailand, the Asian continent continues south as the Malay Peninsula to include western Malaysia and Singapore near its southern tip. Northwest of Kuala Lumpur is the Malaysian state of Malacca, an area that has gained a certain notoriety among South Asian wheat food producers as the source of valuable technical support from long-time U.S. Wheat Associates (USW) Baking Consultant Roy Chung and now Biscuit/Bakery and Noodle Technologist Kong Song “Ivan” Goh.

“Roy and I were born in the same hometown in Malacca,” Goh said. “Roy’s father ran a bakery, and my story starts with my family, too. My mum earned a living by selling bite-size snacks called Kuih-muih and fried spring rolls called Popiah. I was nine years old when I started helping her make and sell her food. My interest in cooking and food preparation grew from there. In fact, most of my family members are in food-related work.”

Goh went on to earn a bachelor’s degree in food science and technology from University Putra in Malaysia, and his talent landed him two job offers even before he graduated in 2012. He said because he is “not a shy person who can do routine jobs,” he chose a technical service position with FFM Berhad in Port Klang, Malaysia, that would expose him to as many parts of the flour milling and baking industries as possible.

“The knowledge I gained there has been very valuable,” he said. “I especially enjoyed the opportunities in technical trouble shooting and handling customer complaints.”

He added that the company taught its colleagues to always appreciate the people that helped them in their work, an experience that would prove important to Goh’s next career opportunity.

U.S. Wheat Associates (USW) first crossed paths with Goh when Roy Chung conducted a USW baking workshop at FFM Berhad in 2014. In 2015, the company sent Goh to one of the popular USW baking courses Roy developed and led with the UFM Baking & Cooking School in Bangkok, Thailand. USW Regional Vice President Matt Weimar was also there, in part to identify potential candidates to fill a vacant technical position in USW’s South Asian Region.

“Ivan was one of the individuals who stood out in terms of their work and leadership,” Weimar said. “He also impressed Roy, so we decided to

follow his career path until it was the right time to invite him to work for our organization.”

That opportunity emerged early in 2018, and Goh has been representing U.S. wheat farmers in the South Asian region since last March.

“The wheat foods industry is rapidly expanding in the region, and we knew Ivan’s experience in quality assurance and control were ideal to help flour mills, bakeries and cookie/cracker and confectionery processors better understand the quality, value and use of U.S. wheat flour,” said Weimar. “We set up an active development schedule for Ivan. It started with Ivan shadowing Roy at the USW baking classes at UFM, then on an extended technical service visit with Roy to several flour mills and baking customers in Indonesia.”

Goh, who is fluent in several languages spoken in the region, participated with millers from the Philippines, Indonesia and Vietnam in a USW Contracting for Value workshop and joined Weimar as co-host of a regional trade team that visited Washington state, Idaho and Montana last August. That schedule is keeping Goh mostly away from a home office in Kuala Lumpur and the USW South Asia regional office in Singapore. But he is very excited about the opportunity.

“Roy Chung is a legend as a teacher and technical resource in this region,” Goh said. “I never imagined that one day I would be his colleague. Another thing that impressed me is that USW is the only wheat organization that invites overseas millers to evaluate the quality of every U.S. wheat crop and sincerely listens to their feedback. That must be part of the working culture because I am free to voice my opinions, too.”

Late in 2018, there was additional, extensive training

Technical support essential for market development for U.S. wheat

U.S. Wheat Associates vice president of overseas operations, Mark Fowler, says technical support to overseas customers is an essential part of export market development for U.S. wheat.

“Technical support adds differential value to the reliable supply of U.S. wheat,” Fowler says. “Our customers must constantly improve their products in an increasingly competitive environment. We can help them compete by demonstrating the advantages of using the right U.S. wheat class or blend of classes to produce the wide variety of wheat-based foods the world’s consumers demand.” ■



When Kong Song “Ivan” Goh isn’t winning medals, he’s serving as U.S. Wheat Associates’ newest biscuit/bakery and noodle technologist based out of the organization’s Singapore office covering the South Asia region.

for Goh as a student in Class 193 of the 16-week Baking Science and Technology Course at the AIB Institute in Manhattan, Kan.

“Our goal is to help customers improve their product lines and manage cost risks, so the course further strengthened my confidence in helping large-scale bakeries,” Goh said. “In addition, seeing the performance and benefits of using flour from U.S. wheat classes first hand will help me demonstrate how customers can get the most value possible from those flour products in their own bakeries.”

“Ivan received a medal as the fourth-ranked student in the class and was recognized with one of the Bakery Equipment Manufacturers Association awards recognizing ‘Excellence in Laboratory Leadership Performance,’” Weimar said. “The relationships he developed there with his fellow students will also be very valuable in the future.”

Weimar noted that Goh has had a very productive first year with U.S. Wheat Associates, adding that “we are proud of Ivan’s progress, and we look forward to many more successful technical support activities to come. That is a commitment to our South Asian customers and to the U.S. wheat farmers we are proud to represent.” ■

The Hessian flies are coming!

WHAT ARE RESEARCHERS DOING ABOUT IT?

By Mike Pumphrey

Since starting at Washington State University (WSU) in 2010, I've seen Hessian fly infestations that caused significant losses in both production fields and test plots. The first time I wrote about Hessian flies in *Wheat Life* was in April 2013 due to concern at that time. Fast forward six years. Now, when I visit spring wheat fields across Eastern Washington, the problem is worse, with infestations heavier and more widespread. Making matters more complex, damage in winter wheat is being reported more often.

Hessian fly damage is not new to the area. Damaging infestations have been seen west of the Cascades for more than 90 years, since before the 1930s, certainly. In the late 1970s to early 1980s, Hessian fly was recognized as a widespread pest throughout the Columbia Basin in eastern Oregon and Washington and in northern Idaho, prompting research, breeding and management efforts.

Hessian fly pressure is not the same year after year, location after location, or even farmer to farmer, because of many factors that influence infestations. Hatching is

strongly dependent on suitable temperatures and is stimulated by rainfall events. Factors like date of planting may have a major impact depending on how crop development aligns with Hessian fly hatching. This is particularly true for winter wheat. A practice used to manage fall infestations across North America is to delay planting too early while flies are active.

Crop rotation history and crop residue are also factors influencing the level of local Hessian fly survival and infestations. Wheat infested in prior crop years harbors the over-wintering and over-summering puparia (flax seed-looking stage), and more residue generally means more infestation

potential. Volunteer wheat seedlings are also a means of reproduction and survival, and attention to green bridge management is recommended. ►



Mike Pumphrey holds the O.A. Vogel Endowed Chair of Spring Wheat Breeding and Genetics at Washington State University.



This picture demonstrates potential variation in Hessian fly infestation due to planting date. The plots in the front were delayed in seeding and suffered very severe Hessian fly infestation compared to the more timely planted plots in the back.

Several parasitic wasp species have been found that target Hessian fly in the Pacific Northwest (PNW), and parasitism is thought to be a factor in fly population dynamics. As a result of all these variables, Hessian fly impact on dryland wheat production regions in the inland PNW is variable.

I am often asked about the efficacy of insecticides for Hessian fly management. Research is lacking, but available scientific literature concludes that aerial applications targeting Hessian fly females during their egg laying is problematic and does not reliably generate a return on investment. The inconsistent hatching of fly populations, the long window of fly hatching in the spring and difficulty in accurately timing insecticide applications are all factors.

The prevailing scientific opinion from those U.S. regions with Hessian fly is that seed treatment insecticides may help protect winter wheat infestation of Hessian fly more than spring-planted wheat infestations. Our experience planting spring wheat variety trials around the state is that susceptible varieties suffer significant yield losses due to Hessian fly in many locations each year. This is despite seed treatment insecticides that are applied to all variety trial entries.

Planting resistant wheat varieties is the most effective control measure. Hessian fly resistance in spring wheat has been valued at between \$45 to \$104 per acre by WSU and Oregon State University scientists. By the early 1990s, Wakanz soft white spring wheat and Westbred 926 hard red spring wheat were identified among the first Hessian fly resistant varieties and recommended for spring wheat production acres.

Today, Hessian fly resistance is one of the main traits to consider when selecting spring wheat varieties. Most popular cultivars are resistant. The WSU Extension Cereal Variety Testing Program coordinates testing of new public and private varieties that enter WSU field trials. Results with Hessian fly resistance rankings can be found by using the Variety Selection Tool at varietyselection.cahnrs.wsu.edu/.

Leading soft white spring wheat varieties like Louise,



This direct-seeded field near Fairfield in 2018 was moderately infested with Hessian fly. The arrows indicate typical stunting and dark green color associated with poor tiller development after Hessian fly infestation.

Seahawk, Ryan, Whit, Diva and WB6121 are resistant to Hessian fly. Resistance to Hessian fly is lacking in the two commercially available spring club wheat varieties JD and Melba. While the hope of a club premium is tempting, spring club wheat fields have been affected by Hessian fly the past few years. Leading hard red spring wheat varieties including Glee, Alum, WB9668, SY Selway, Kelse and Chet are resistant to Hessian fly.

Winter wheat production fields with significant Hessian fly pressure have been reported in Walla Walla and Columbia counties the past few years, as well as under irrigation in central Washington. It's likely an unusually warm spring allowed multiple cycles of infestations compared to historical data that indicates a single cycle is more common.

With funding from the Washington Grain Commission and collaboration with the University of Idaho's entomologist, Nilsa Bosque-Perez, we have

made strides in understanding Hessian fly resistance in winter wheat varieties. For the first time ever, we screened public and private soft white winter wheat varieties, representing almost all PNW acres and found that 39 out of 40 of them were Hessian fly susceptible. Only one new club wheat variety, ARS-Castella, had moderate resistance to Hessian fly.

Another recent advancement in our scientific knowledge has been in our understanding of which resistance genes are effective against our local populations of Hessian fly. We collected all of the available wheat lines with different Hessian fly resistance genes and tested them against our local Hessian fly. Twenty-nine different germplasm lines were available containing 29 known resistance genes. Of those 29, germplasm with resistance genes H5, H13, H15, H22, H26 and H32 were identified as having consistent resistance to our Hessian fly populations sampled in the PNW.

Hessian fly populations are notoriously good at defeating wheat resistance genes. What this means in the field is that by planting a variety or varieties with the same resistance genes repeatedly, we are putting strong pressure on Hessian fly populations to mutate or reshuffle their genetic composition to defeat the resistance. This has happened repeatedly across the U.S. and world. Now that we know which genes are effective in this region, we are working to combine resistance genes while breed-

ing new varieties and developing new varieties with different resistance genes.

With winter wheat Hessian fly infestations being observed more, the question arises, “should we be breeding winter wheat varieties with resistance to Hessian fly?” I believe the answer is yes. But very carefully. In most of our wheat-based cropping systems, winter wheat has served as a refuge crop where lack of resistance in winter wheat varieties has meant that the rare Hessian flies with tolerance to our resistance genes are able to mate with vulnerable Hessian flies and produce offspring that are susceptible to the genes we use in spring wheat.

This phenomenon greatly prolongs the effectiveness of the resistance genes we use in spring wheat. Refuge acres/areas are required in Bt-trait crops like corn and cotton and are also used for Orange Wheat Blossom Midge-resistant wheat varieties in Canada.

If winter wheat varieties contain the same genes as spring wheat varieties in the region, those genes are more likely to be defeated more rapidly as a result. WSU winter wheat breeder Arron Carter has started breeding for resistance by using germplasm from the southeastern U.S. with Hessian fly resistance. The WSU spring wheat breeding program is focused on using our existing resistance genes while bringing in genes that have not been used in the PNW or in the southeastern U.S. ■



Recent Ph.D. graduate, Esraa Alwan, standing in a heavily Hessian fly-infested research trial near Walla Walla in 2017. Esraa's work focused on genetic mapping of effective resistance to Hessian fly in adapted Pacific Northwest spring wheat germplasm. On the right side of her in the picture, a wheat variety with resistance to Hessian fly with uniform height, good vigor and golden straw. To the left of her, a variety with stunting, variable vigor and variable maturity due to Hessian fly.

WHEAT WATCH

WASHINGTON GRAIN COMMISSION

Delayed USDA reports contain surprises



By Mike Krueger

The series of U.S. Department of Agriculture (USDA) reports scheduled to be released Jan. 11

were finally released Feb. 8. The delay, of course, was the result of the partial government shutdown.

These reports included quarterly stocks of grains and oilseeds as of Jan. 1; U.S. winter wheat seedings; final 2018 corn and soybean production estimates; and the WASDE (supply and demand revisions). Most analysts were expecting (hoping?) for at least slightly price-positive reports. Unfortunately, even though most of the report numbers were close to the prereport expectations, they didn't generate any lasting positive price action.

Slight reductions in the corn and soybean yield and production estimates were offset by nearly equal reductions in demand. The resulting reductions in corn and soybean ending supplies weren't large enough to appreciably change the overall outlook.

Soybean ending supplies are now projected to be 910 million bushels. That compares to ending stocks last year of 438 million bushels. The increase is huge and would be the largest soybean ending stocks ever. It is the result of record soybean production in the U.S. and Brazil and reduced U.S. soybean exports to China because of the trade dispute.

Corn ending supplies are now

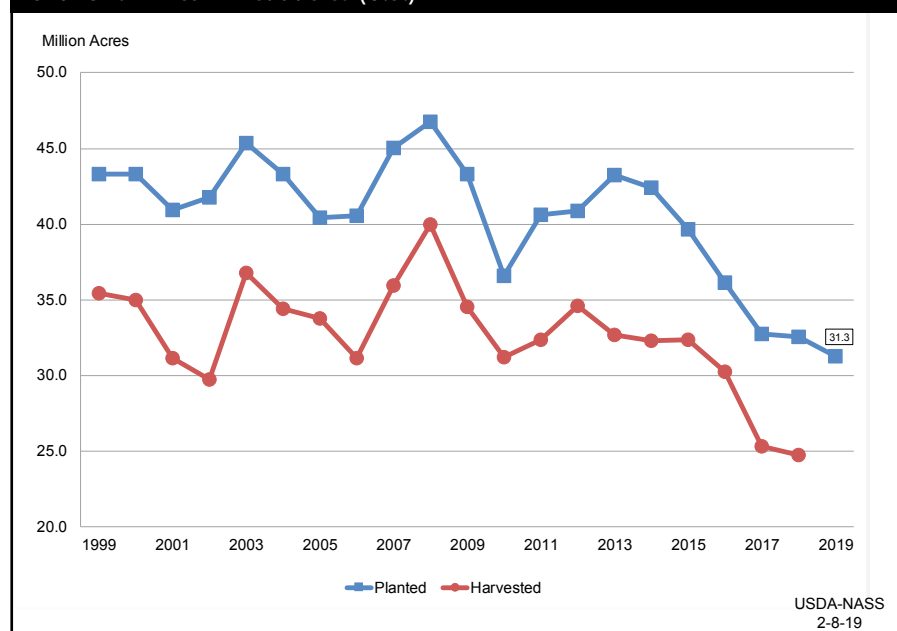
projected to be 1.735 billion bushels. That is down 41 million bushels from the January estimate. The reduction in corn production was partially offset by a reduction in the feed usage estimate. The cut in feed consumption was a small surprise considering total animals on feed in the U.S. is at a record high. The important thing about corn is that ending supplies have now dropped three consecutive years despite record high corn production. We will need to have another big 2019 corn crop to prevent ending supplies from declining to bullish levels.

There was a somewhat bullish surprise in the winter wheat seeding estimate. It came in a million acres below last year and 600,000 acres below the trade guess. Six months ago, most analysts were expecting to see an increase in winter wheat plantings this year. Soil moisture conditions in the southern Plains going into the planting season last fall were the best they'd been in several years.

The problem was the rains never stopped. Farmers couldn't get the wheat planted. It has stayed extremely wet across much of the southern Plains. There is still water standing in fields. Emergence and development have been hurt by too much water.

That's a problem rarely seen in hard red winter country in Kansas, Oklahoma and northcentral Texas. It will be interesting to watch the winter wheat crop ratings once those weekly reports start. Hard red winter wheat seedings are now projected to be down 4 percent from last year. Soft red

Chart 1: Winter wheat acres (U.S.)



winter wheat acres are projected to drop 7 percent from last year. White wheat seedings are forecast to be down 3 percent from last year. The breakdown in acres: unchanged in Washington, down 7 percent in Oregon and down 1 percent in Idaho.

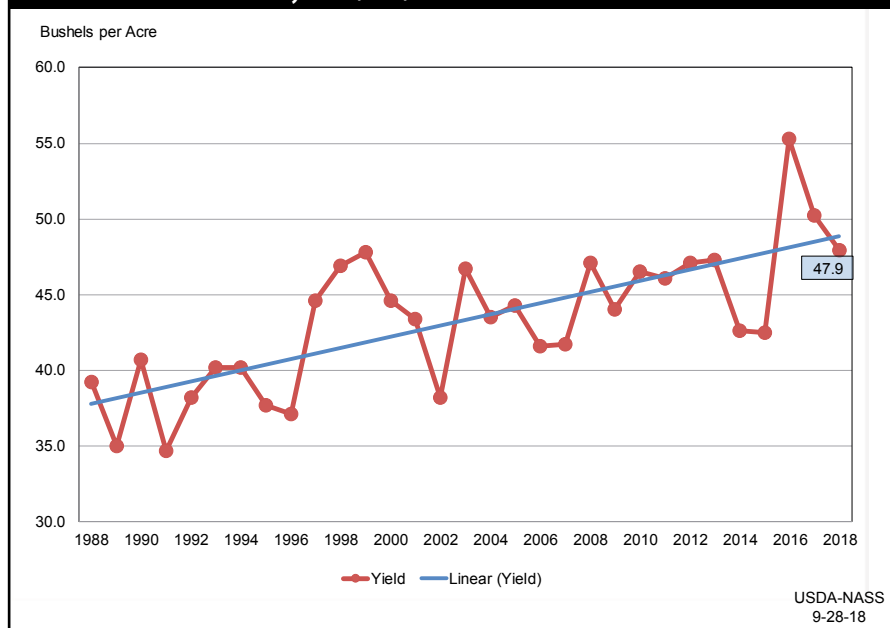
Winter wheat seedings will be the smallest in at least 109 years. Chart 1 shows the latest USDA estimate.

Fewer planted acres of winter wheat than expected will mean that wheat yields in 2019 will be important as will spring wheat acres and yields. Conditions across the southern Plains' hard red winter wheat region are too wet. Some crop scouts think there has already been irreversible damage to crop stands, which will impact winter wheat yields. It has also been extremely wet across a significant portion of the soft red winter wheat region. It has also been dry across Eastern Washington and even drier across eastern Oregon. Chart 2 is the USDA's history of U.S. winter wheat yields.

Wheat prices have continued to trade in a narrow range and fell to the bottom end of that range in mid-February with KC futures setting new contract lows. The weakness is the result of three major issues:

- The USDA still hasn't caught up with their weekly export sales reporting. The market didn't know if the pace of U.S. export sales during January and February had improved or not.
- Russia has continued to be an aggressive wheat exporter. Many analysts expected the Russian government might curtail wheat exports because of the small 2018 crop and record-

Chart 2: Winter wheat yield (U.S.)



high domestic flour prices. That hasn't happened, but Russia will be less of a market factor going forward because their exportable supply is about gone. Their total annual exports, however, will be bigger than expected.

- There is still much uncertainty about whether the U.S. and China will conclude a trade agreement or at least the framework for an agreement. Most people are optimistic this will happen, but no one knows for certain.

A settlement of the trade problem with China could still ignite some rallies in the wheat and corn markets. There has been a lot of talk that China has agreed to buy significant amounts of both corn and wheat from the U.S. once an agreement is reached. Details of how much they might buy are not known, but estimates range between 200 million and 300 million bushels of both wheat and corn. That would be positive to prices.

There is also a small ray of light around the soybean market despite current record large U.S. and world supplies. Weather hasn't been perfect in South America during this growing season. It has been dry and warm across the northern two-thirds of Brazil. Early soybean production estimates for Brazil were as high as 125 million metric tons (mmt). Most are now at or below 115 mmt. Some are as small as 100 mmt.

Dry conditions have also impacted production in Paraguay. Argentina has had the opposite problem. It was super wet during their wheat harvest. That hurt yield and quality. It stayed wet well into the soybean planting season, resulting in a reduction in planted acres and some losses due to flooding. ■

Mike Krueger is president and founder of The Money Farm, a grain advisory service located in Fargo, N.D. A licensed commodity broker, Krueger is a past director of the Minneapolis Grain Exchange and a senior analyst for World Perspectives, a Washington, D.C., agricultural consulting group.

WHAT'S IN A NAME?

PART 2 OF DISCOVERING HOW EASTERN WASHINGTON PLACES GOT THEIR MONIKERS
BY TRISTA CROSSLEY

This is the second article on Washington place names (M to Z). Take the following information with a grain of salt, as there is no way to verify some of it. Some of these places only existed on paper, and some have long since disappeared or become ghost towns. You can read the first article by downloading the February issue of *Wheat Life* at wheatlife.org/pastissues.html.

I found this information in a 1923 book, "Origin of Washington Geographic Names," by Edmond S. Meany, a history professor from the University of Washington. According to the book's introduction, Edmonds gathered his information by consulting earlier works, such as the Wilkes Expedition of 1841, records kept by British captains, railroad officials and the Lewis and Clark Expedition. One of the most frequently cited references is a publication Edmonds refers to as "Names MSS." In compiling "Names MSS," the researchers sent letters to postmasters, newspapers and pioneers asking for information on geographic names and compiled the responses for future reference.

If you want to read more on the origin of Washington names, you can search for "Origin of Washington Geographic Names" at babel.hathitrust.org.

Mabton. A town on the Northern Pacific Railway in the southeastern part of Yakima County. The origin of the name is said to be unknown in the town. (*W. F. Fowler, publisher of the Mabton Chronicle, in Names MSS, Letter 404.*) Twenty years ago while railroad trouble held a train at the then bleak station, Mrs. Mabel Baker Anderson, wife of Professor L. F. Anderson of Whitman College, said the station had been named in her honor. Mrs. Anderson was the daughter of Dr. Dorsey S. Baker, pioneer railroad builder of Walla Walla. Though she had traveled much in America and Europe, Mrs. Anderson's home was always in Walla Walla. She died there Aug. 16, 1915. (*Edmond S. Meany, in Names MSS, Letter 415.*)

Mae. A post office, four miles west of Moses Lake, in Grant County, named by J. B. Lee on Feb. 1, 1907, in honor of Mrs. Mae Shoemaker, the first postmistress. (*Ella M. Hill, postmistress, in Names MSS, Letter 41*)

Marcellus. A town in the northcentral part of Adams County named for some person in the east whose other name is forgotten. (*H. R. Williams, vice president of the Chicago, Milwaukee & St. Paul Railway, in Names MSS, Letter 589*)



Paha School, Paha, Wash., circa 1900. Teacher was J.F. Alburty (his son, Everett Alburty, substituted this day). There are 25 students listed for picture: Dan Schilke; John Schilke; Clifford English; Maggie Schilke; Walter Sweeney; Harry Sweeney; Mary Sweeney; Georgia Leedy (née Hamilton); Paul Plager; Dora Plager (née Gleich); Emma Voeller; Marie Stevens; Bud Long; Albert Boeller; Mary Schilke; Jack Sweeney; Ed Schilke; Clarence Streeter; Rudolph Plager; Ethel Skinner (née Hamilton); Howard Skinner; Mary Bryson (née Plager); Oscar Bryson; Harold Stevens; Everett Alburty; James F. Alburty. Photographer unknown. Photo courtesy of the Adams County Historical Society. (adamschs0029. washingtonruralheritage.org)

Marengo. A town in the eastcentral part of Adams County, named "after the Battle of Marengo." (*H. R. Williams, vice president of the Chicago, Milwaukee & St. Paul Railway, in Names MSS, Letter 589*). In 1876, there was an effort to establish a town with that name in Columbia County. In that case, the name was an honor for the landowner Louis Raboin, locally known as "Marengo." In the election for county seat, Dayton received 418 and Marengo, 300. That Marengo existed chiefly on paper. (*History of Southeastern Washington, pages 294-295*)

Mead. A town in the central part of Spokane County, named by James Berridge in honor of General George Gordon Meade of the Union Army in the Civil War. (*Postmaster, in Names MSS, Letter 170*)

Mentor. A former town three miles from Pataha in Garfield County. It was at one time a candidate for the county seat. Known first as Rafferty's Ranch, the town was later named Belfast, and in 1881, the name was changed to Mentor in honor of President Garfield's home town in Ohio. (*History of Southeastern Washington, pages 504-505 and 549*)

Monument. A station on the Spokane, Portland and Seattle Railway in the southeastern part of Franklin County. It is named for a rock formation known as Devil's Pulpit and Monument in Devil's Canyon. (*I. C. Gilman, in Names MSS, Letter 590.*)



The town of Peach, circa 1905. Note the store on left. Photographer possibly E.H. Paige. Photo courtesy of the Lincoln County Historical Society. (lch0024. washingtonruralheritage.org)

Moonax. A town on the Columbia River in the southeastern part of Klickitat County. Lewis and Clark, in 1805, found the Indians there had a pet woodchuck and Moonax is the Indian name for woodchuck. (*L. C. Gilman, in Names MSS, Letter 590*)

New York Bar. Located in the northern part of Columbia County on the Snake River, some distance above Texas Ferry, New York Bar was quite an important shipping point in the early days, the grain raised in a large section of the country lying north and east of the Tucannon, including the towns of Pomeroy and Pataha City, being shipped from this point before the advent of the railroads into the country. The Oregon Railroad & Navigation Company had a warehouse there, and a regular agent was employed to look after the company's interests. The most important item in the history of this place

was the murder of Eli H. Cummins, which resulted in the lynching of one, one legal execution and the death in jail of another of the assassins. (*Illustrated History of Southeastern Washington, page 378*)

Orondo. A town on the Columbia River in the western part of Douglas County, named by J. B. Smith about 1886 after the supposed superintendent of the ancient Lake Superior copper mines. Orondo's people are thought to have been the ancestors of the mound builders "from Lake Superior to the Isthmus where their Atlantis joined America." (*J. B. Smith, in Names MSS, Letter 352*)

Othello. A town in the western part of Adams County, named by H. R. Williams, vice president of the Chicago, Milwaukee & St. Paul Railway Company, after the Shakespearian play. (*H. R. Williams, in Names MSS, Letter 530*). "From names given to adjoining towns and stations—Corfu, Smyrna and Jericho—it seems probable that the misdemeanor was committed by a student and Shakespeare and the Bible." (*G. W. Ogden, in Names MSS, Letter 385*)

Overlook. A station in the central part of Spokane County, formerly known as Wins. The new name was selected because one at that place can overlook the Marshall Valley. (*Postmaster at Marshall, in Names MSS, Letter 166*)

Page Creek. A small tributary of the Snake River in the northern part of Asotin County, named for the man who, in 1871, took up the first land claim there. "It goes by the name of Cornner Gulch now. No water in it." (*Cliff M. Wilson, of Silcott, in Names MSS, Letter 240*)

Paha. A town in the central part of Adams County. There is a large spring there, and Paha is supposed to be an Indian word meaning "big water." (*Postmaster at Paha, in Names MSS, Letter 365*)

Palisades. A town on the Great Northern Railway in the southern part of Douglas County. The name has reference to the sharp, pointed basaltic rocks so characteristically a part of the walls of Moses Coulee and was bestowed in 1906 by George A. Virtue of Seattle. The same region at the mouth of Douglas Canyon was formerly known as Beulah Land. (*Irving B. Vestal, in Names MSS, Letter 80*)

Palouse. Name of a city in the eastcentral part of Whitman County, of a river, falls, rapids, and of a tribe of Indians. It is applied also to a large area of wheat lands in the southeastern portion of the state. The Lewis and Clark Expedition, 1803-1806, first of white men to visit the region, named the stream "Drewyer's River," after George Drewyer, one of the party. They also gave the name of the tribe of Indians as "Pallloatpallah." (*Lewis and Clark*



Mrs. Jas Hayworth and her students in front of the Ping School, Ping, Wash., in 1910. Identification on back reads W. J. Leonard standing at corner of building. Boys in back are Vincent Webb, Fred Rommel and Claude Long. Girls in back are Mary Childers, Vina Farrance, Pearl Long, Gladys Schnebly, May Leonard, Mary Rommel Miller and teacher Mrs. Jas Hayworth. Girls in front are Louie Farrance, Merle Maddox, Mildred Leonard and Edna Farrance. Photographer unknown. Photo courtesy of the Denny Ashby Library. (GCM0006. washingtonruralheritage.org)

Journals, Coues Edition, Volume II., page 630, UL.,1070) The Bureau of American Ethnology publishes a fairly extensive list of names used for the tribe. (*Handbook of American Indians, Volume II., page 195*) Canadian members of the Astoria party in 1812 used the name "Pavion" for the river and "Pallata-palla" for the tribe. (*Washington Irving: Astoria page 328 and 330*) John Work of the Hudson's Bay Company in October 1825 used the name "Flag River." (*Journal, edited by T. C. Elliott, in Washington Historical Quarterly, Volume V., page 88*) In July 1826, David Douglas, the botanist, called the tribe "Pelusbpa." (*Journal 1823-1827, page 200*) Alexander Ross used the name "Pavilion River." (*Oregon Settlers, in Early Western Travels Series, Volume VII., page 208*) The Wilkes Expedition, 1841, refers to the "Peluse River" and adds: "The falls upon this river are of some note and are called Aputapat, and they will hereafter be an object of interest to travellers in this country." (*Narrative, Volume IV., page 466*) One "hereafter" thus mentioned was embraced by W. P. Breeding in 1875 when he "erected a flouring mill and made other improvements, at the same time laying off the town of Palouse City on his land at the falls of Palouse River." (*H. H. Bancroft: Works Volume XXIX., page 571, note*) On June 11, 1855, Governor Isaac I. Stevens, in the Nez Perce treaty, used the name Palouse River. In discussing the name, N. W. Durham says: "For a grassy expanse, the French have the word pelouse; and, a century ago, when French-Canadian voyageurs of the fur companies beheld in spring-time the wild tumult of bunchgrass hills north of Snake River, they called it the Pelouse country—the grass lands." (*Spokane and the Inland Empire, page 629*)

Pasco. A town near the junction of the Snake and Columbia rivers, and the county seat of Franklin County. The name was bestowed by Virgil Gay Bogue,

location engineer of the Northern Pacific Railroad. At that time, the place was dusty, hot and disagreeable. He had read of a disagreeable town in Mexico by that name and gave it to the new station with no suspicion that it would become an important county seat and railroad center. (*F. W. Dewart, Spokane, in Names MSS, Letter 599*) Another version is that Harry McCartney, associated with Mr. Bogue as locating engineers, named it by way of contrast. Pasco was the flattest and hottest place he had found while Cerro de Pasco, Peru, was the highest and coldest place he had ever been in. (*Lewis A. McArthur, in Names MSS, Letter 606*)

Peach. A town on the Columbia River in the northern part of Lincoln County. It was named for its fine fruit and peach orchards. (*Postmaster at Peach, in Names MSS, Letter 159*)

Ping. A town in the northern part of Garfield County. It was named for Robert and Frank Ping who had settled in that vicinity in early days. (*Illustrated History of Southeastern Washington, page 49*)

Pullman. A city in the southeastern part of Whitman County, home of the State College of Washington. The place was first named "Three Forks," being at the junction of three small streams. The town adopted the new name in the hope that George M. Pullman, car manufacturer, would endow it, which hope was never realized. (*Lou. E. Wenham in Names MSS, Letter 115*)

Relief. A station in the northwestern part of Columbia County. "The first engines, Nos. 41 and 42, pulled two cars each up to the point where each dropped a car and went on. It was such a relief to the engine crews that the place has been known as Relief ever since." (*William Goodyear, in Names MSS, Letter 43*)

Rockwell. A town in the north-

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eastern part of Adams County, named for the character of the county and on account of a well drilled in the rock there. (*L. C. Gilman, in Names MSS, Letter 590*)

Servia. A station in the westcentral part of Adams County, named for the European country of that name. (*H. R. Williams, vice president of the Chicago, Milwaukee & St Paul Railway Company in Names MSS, Letter 589*)

Shovel Creek. A small stream in the southern part of Asotin County. It derived its name from a wild tale by prospectors that they had taken gold out of the stream "by the shovelful." (*Illustrated History of Southeastern Washington, page 647*)

Soap Lake. A body of water and a town in Grand Coulee in the northcentral part of Grant County. "The water is very soapy." (*N. Okerberg, in Names MSS, Letter 223*)

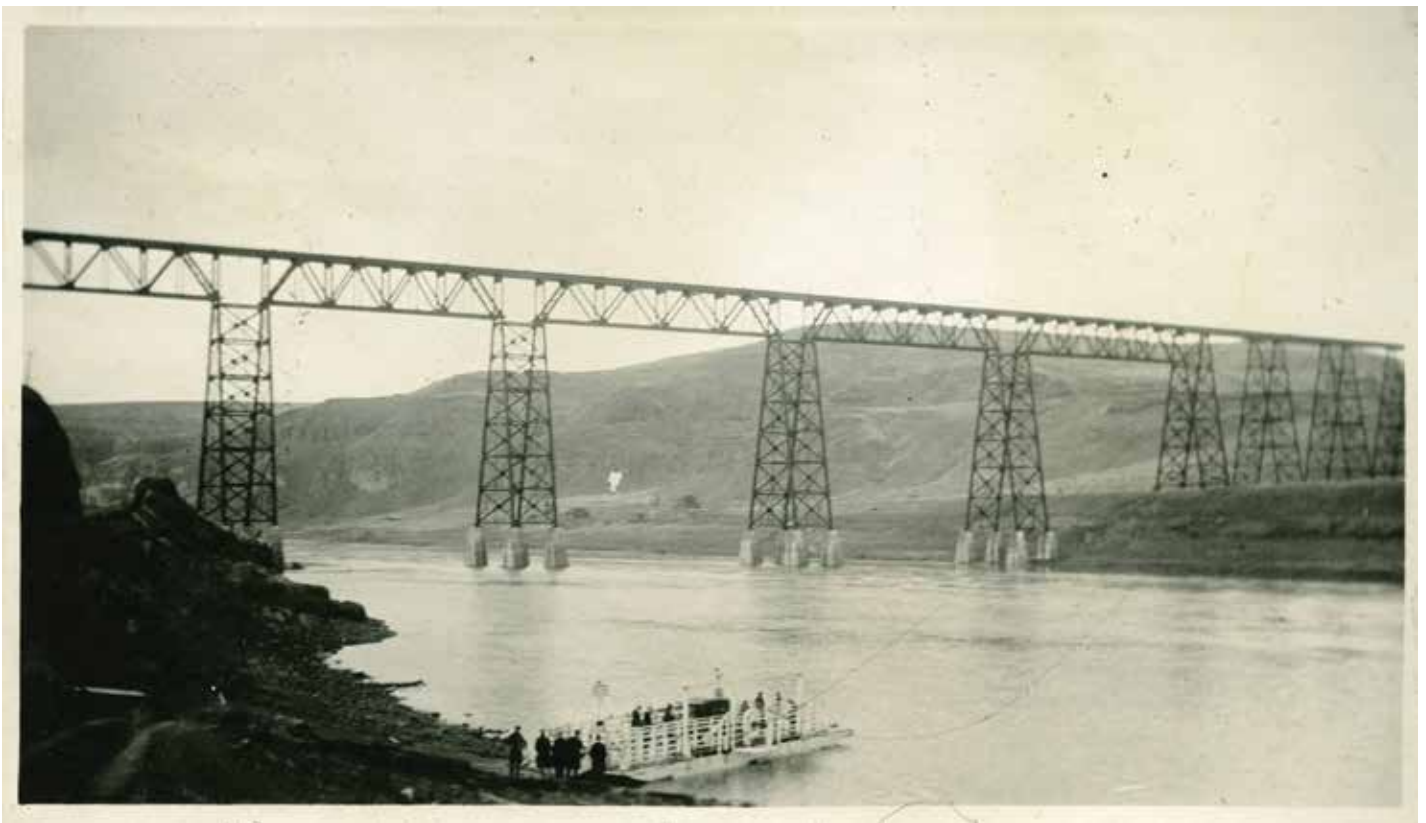
Starbuck. A town in the northwestern part of Columbia County, named in honor of General Starbuck of New York, one of the officials and stockholders of the Oregon, Railway and Navigation Company. On the first trip over the road, General Starbuck promised a bell to the first church built, and the bell is still in service. (*William Goodyear, in Names MSS, Letter 43*)

Tenmile Creek. A small tributary of Asotin Creek in the central part of Asotin County, named by miners because it was ten miles from Lewiston, Idaho, the nearest town in the early days. (*Postmaster at Asotin, in Names MSS, Letter 260*) The Indians still refer to the creek as "Anatone." (*Illustrated History of Southeastern Washington, page 693*)

Tiflis. A town in the southeastern part of Grant County, it was named after the Trans-Caucasian town, some of the settlers having come from that region. (*H. R. Williams, Vice President of the Chicago, Milwaukee & St. Paul Railway Company, in Names MSS, Letter 589*)

Tomar, on the bank of the Columbia River, in the southern part of Benton County, was named for the second grand chief of the Walla Walla tribe. (*L. C. Gilman, President of the Spokane, Portland and Seattle Railway Company, in Names MSS, Letter 590*)

Touchet. A tributary of the Walla Walla River and a town at its mouth, in the southwestern part of Walla Walla County, was spelled "Toosha" by Rev. Gustavius Hines, the Methodist missionary, when he wrote on Saturday, May 27, 1843, as follows: "Travelled 14 miles and camped for the Sabbath on a branch of the Walla Walla River called Toosha, near its mouth." (*Exploring Expedition to*



Lyons Ferry as it looked in the early 1920s. A ferry was in use at this point for 108 years, providing a link for the Palouse country with the Old Mullan Road. When the Army Corps of Engineers built the Lower Monumental Dam (1969) downstream from Lyons Ferry, the waters rising behind the dam slowed currents in the Snake River, increasing crossing times. The ferry was replaced in 1968 with the old steel cantilever bridge originally built in 1927 to cross the Columbia River at Vantage. Photographed by Betheen Beale (1903-1994). Photo courtesy of the Denny Ashby Library. (GCM0069. washingtonruralheritage.org)

Oregon, page 185) "Gambler's River was the name given by Lewis and Clark (1805-06) to what is now Coppei Creek and White Stallion to the main Touchet." (*Illustrated History of Southeastern Washington*, page 278) The name was changed before Mr. Hines made his journey in 1843 and was referred to with the present form of spelling in 1853 by Lieutenant A. W. Tinkham. (*Pacific Railroad Reports, Volume I*, page 377) The town was platted by John M. Hill on April 12, 1884. (*Illustrated History of Southeastern Washington*, page 166) Dayton was once known as Touchet.

Waitsburg. A town in the east-central part of Walla Walla County, named in honor of Sylvester M. Wait who built a mill there in 1864. The place was known as "Wait's Mill." A post office was secured in 1866, and, at the suggestion of the school teacher, William N. Smith, it was called "Delta." In 1868, the people voted to change it to Waitsburg and the post office department accepted the change. (*Illustrated History of Southeastern Washington*, pages 154-156)

Waukee. A railroad station in east-central Adams County named from

the last syllables of Milwaukee. (L. C. Gilman, in *Names MSS*, Letter 590)

Whiskey Creek. A tributary of the Touchet River at Huntsville, Columbia County. The origin of the name may be inferred from the following: "At the crossing of Whiskey Creek lived William Bunter and with him were George Ives and 'Clubfoot' George, engaged in trading whiskey for Indian cayuses. These three sold out and went to Montana in the early sixties, where they were shortly after hung by the vigilantes." (*Illustrated History of Southeastern Washington*, page 284)

Wilbur. A town in northwest Lincoln County named for its founder, Samuel Wilbur Condit, in 1887. The town was incorporated in 1889. While out hunting, Mr. Condit mistook a settler's poultry and shot a fat gander. Ever after he was known as "Wild Goose Bill." He owned much land and livestock and traded with Indians and miners. Before he platted and named Wilbur, his trading place was known as "Goosetown." (R. J. Reeves, in *Names MSS*, Letter 251) ■

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Profile: Farm serves as touchstone for family

By Trista Crossley

Howard Platter's family farm sits at the junction of Harding and Platter roads in Lincoln County, which is appropriate, since the Harding family has been leasing the land from the Platters for decades.

The first wave of Platters arrived in Eastern Washington from Missouri in the late 1800s. Howard's great aunt and uncle, Charlie and his sister, Cary, became wheat farmers in Lincoln County while another uncle kept going west, ending up with an apple orchard in Wenatchee. Eventually, the remainder of the family made the move, including Howard's grandfather, Perry. The wheat farm became something of the family's base, a place they could return to during rough patches.

"When they had bad times, many (of the family members) would show up on the farm where Charlie and Cary were. They had stability," Howard said. "In those days, my dad (John Platter), as a child, had the job of taking the horses from the pasture to where ever they were needed. In those days, everything was done by animals."

In the 1930s, Charley died of a stroke while sewing shut wheat sacks during harvest. Cary continued to run the farm, passing away in 1942. After passing through his uncle's and then his father's hands, the farm eventually ended up in Howard's possession in 1996. The land has been leased out since the 1940s or 1950s, much of that time to the Tom Harding family.

"The Harding family and our family have known each other for 100 years," Howard said. The farm is leased out under a crop share agreement. "It makes us some money every year, but it doesn't make us rich."



Howard didn't grow up working on the farm. He became a physician, but visited the farm regularly. Besides the wheat ground, the farm also includes some pasture and scab rock land, that, as Howard said, "is absolutely nothing but a good place to raise snakes" in.

Howard and the Hardings talk regularly about what is happening on the farm, such as what's going to be planted or what alternative crops might work. He also relies on his tenant for advice when it comes to making decisions about such things as crop insurance.

"I go along with what Tom is buying. That's the only way to do it. He has all the data," Howard said, laughing. "It's important for landlords and tenants of anything to get along. Anytime you are in business, you have to get along with your partners."

This landlord and tenant team even attend the Pacific Northwest Farm Forum (part of the Spokane Ag Expo) together each year specifically to hear weather expert Art Douglas' forecast for the coming year. They take that information into account when making planting decisions.

When asked about what advice he'd give other landlords who are thinking about leasing out farmland, he emphasized the need to get along with people, not to mention getting a tenant who knows what they are doing.

"You have to be fair and square with them. You have to give them trust when they need trust. Treat them like you'd like to be treated," he said.

Family farms hold a special place in Howard's heart, and he said he hates seeing corporate farms that are run by boardrooms only interested in short-term profits, not the long-term viability of the land.



(Above) A photo of the original homestead in Lincoln County hangs on Howard Platter's wall. (Inset photo) Howard Platter's great aunt, Cary, established the family's Lincoln County farm in the late 1800s along with her brother, Charlie. She died in 1942.

"With family farms, there is a dedication to what you are doing, a dedication to the land and to a product that people will eat. The family farm is loved and cared for," he said. That sentiment extends to Howard's son, Daniel, who has begun replanting trees along a stream that runs through the family's property in order to preserve the area's natural habitat. ■

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THE BOTTOM LINE

Is former CRP ground eligible for crop insurance?

By Curtis Evandenko

McGregor Risk Management Services

Hello and Happy New Year (belated)! You heard it here first—there's less than 310 shopping days until Christmas.

I want to address an item that has come up for discussion, most recently at the 2018 Tri-State Grain Growers Convention, about Conservation Reserve Program (CRP) acres that are going back into production and obtaining crop insurance coverage for those acres.

The specific policy language pertaining to securing crop insurance for ground, CRP takeout or other farmland acres is found in 42 pages of sleep-depriving reading in the current Common Crop Insurance Policy Basic Provisions. We'll start in Section 9, Insurable Acreage (emphasis mine):

Insurable Acreage. (a) All acreage planted to the insured crop in the county in which you have a share: (1) Except as provided in section 9(a)(2), is insurable if the acreage has been planted and harvested or insured (including insured acreage that was prevented from being planted) in any one of the three previous crop years. Acreage that has not been planted and harvested (grazing is not considered harvested for the purposes of section 9(a)(1)) or insured in at least one of the three previous crop years may still be insurable if: (i) Such acreage was not planted: (A) In at least two of the three previous crop years to comply with any other USDA program; (B) Due to the crop rotation, the acreage would not have been planted in the previous three years (e.g., a crop rotation of corn, soybeans, and alfalfa; and the alfalfa remained for four years before the acreage was planted to corn again); or (C) Because a perennial tree, vine, or bush crop was on the acreage in at least two of the previous three crop years.

For acreage to qualify, first and foremost, you (the insured) must have a share in the crop. Secondly, said acreage must have been planted and harvested in one of the three prior crop years—grazing does not qualify. Remember, prevent plant acres do qualify and meet the requirement of 9(a)(2) planted and harvested. If this is not the case, the acreage may still qualify for insurance if the acreage was not planted to comply with any U.S. Department of Agriculture (USDA) program (CRP is a USDA program), or due to crop rotation, such as alfalfa production, for a couple of years.

Section 9 continues with paragraph two, explaining that acreage is not insurable if:

(i) The only crop that has been planted and harvested on the acreage in the three previous crop years is a cover, hay (except wheat harvested for hay) or forage crop (except insurable silage).

Paragraph 2 of section 9 is identifying acreage that did not meet the parameters of 9 (a)(1) previously stated. If not planted and harvested in one of prior three years, then the acreage is not insurable. By policy definition, such acreage is considered native sod/new breaking and thus obtaining insurance requires substantially more documentation.

Native sod - Acreage that has no record of being tilled (determined in accordance

with information collected and maintained by an agency of the USDA or other verifiable records that you provide and are acceptable to us) for the production of an annual crop on or before February 7, 2014, and on which the plant cover is composed principally of native grasses, grass-like plants, forbs, or shrubs suitable for grazing and browsing.

If all acreage meets policy definition of 9(a)(1), the insured has the option to use prior, verifiable production records or the county t-yield. If the acreage is not insurable, does not meet 9 (a)(1) but is identified under 9(a)(2), then a written agreement, which is a formal request for insurance to the Risk Management Agency (RMA), is required for insurance coverage the first year back into production. Both paragraphs one and two of Section 9 have language referencing "...or/unless a written agreement specifically allow insurance for such acreage." A written agreement submitted to the RMA

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requesting insurance, if approved, will provide the coverage sought.

Here's an example of when a written agreement would be required: A CRP contract expired in the fall of 2015, and the acreage remained idle and in grass until the spring of 2018 when actions were taken to terminate vegetation and prepare the soil for planting. In the fall of 2018, the acreage was planted to fall wheat for 2019 crop year harvest. The last year of USDA program participation was 2015, so the requirement to be planted and harvested in one of the past three years was not met, and therefore the ground is not insurable.

In summary, for acreage to be insurable:

- You must have an insurable interest in the crop;
- Acreage was planted and harvested in one of three prior years;
- Acreage was not planted and harvested but was enrolled in a USDA program in one of three prior years; or
- If not 2 or 3, then a written agreement must be submitted to the RMA requesting insurance. If approved, RMA will also assign a yield that may or may not be the county t-yield.

If you are considering putting CRP land back into production but are unsure if your acreage will qualify for crop insurance, talk to your insurance provider or feel free to contact me. ■

Curtis Evanenko has more than 25 years of crop insurance experience serving the Pacific Northwest from both the wholesale and retail sides of the business. He currently serves as a risk management advisor with McGregor Risk Management Services. He can be reached at (509) 540-2632 or by email at cevanenko@mcgregorrisk.com.

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“It’s very, very important that the White House get on board with doing away with these tariffs so we can get this thing (USMCA) not only before the Congress of the United States but before the Mexican Senate and before the Parliament, the House of Commons in Canada.”



—Sen. Chuck Grassley (R-Iowa) in a weekly press call on Feb. 12. Grassley was warning the Trump Administration that it needs to lift steel and aluminum tariffs on Canada and Mexico first if the USMCA is to be approved by any of the countries involved.

“While there are positive things in this proposed trade agreement, it is just a list without real enforcement of the labor and environmental protections.”

—Nancy Pelosi (D-Calif.), House speaker, on the USMCA. (politico.com)

“Steel and aluminum disputes with our North American neighbors and other trading partners will be a challenge for farmers and ranchers until those disagreements are resolved. We urge the administration to resolve those outstanding issues as soon as possible. Farmers and ranchers need fair and open markets.”

—Zippy Duvall, president of the American Farm Bureau Federation

“I have said many times that China and the United States are inseparable from each other. Cooperation serves the interests of the two sides and conflict can only hurt both. The consultations between the two teams have made important progress.”



—China President Xi Jinping after he met with Treasury Secretary Steven Mnuchin and U.S. Trade Representative Robert E. Lighthizer, the chief U.S. negotiator, on Feb. 15.

“I think passing USMCA will be tough. It will take a significant period of time. I think any deal worth having with China that really gets to the underlying issue of reform will take some time to see it through to its completion. If the administration chooses to continue with the tariffs in place during that negotiating period, it will continue to have ramifications for agriculture.”

—Darcy Vetter, former chief agricultural negotiator for the Office of the United States Trade Representative during President Obama’s administration, during a presentation at a co-op annual meeting. (theindependent.com)

“Winning trade wars is not easy. They don’t really work. It’s one thing to go to a country and say we have some problems with the way we are trading. Going after everybody at the same time and expecting a positive outcome in the short run, that’s a real challenge.”

—Dr. Randy Fortenbery, Washington State University ag economics professor, during an economic forecast at the Spokane AG Expo and Pacific Farm Forum. (Imtribune.com)

Canada and Mexico are the 1st and 3rd largest exports markets for U.S. food and ag products, making up 28 percent of total food and ag exports in 2017.



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Cutting spring wheat southeast of Rosalia on the Goldsworthy Ranch. Photo by Joe Schmitz.



Cass Jacobsen (2), son of Dirk and Julia Jacobsen, at their farm north of Harrington. Photo by Julia Jacobsen.

Let's see your wheat life!
Email pictures to
editor@wawg.org. Include
location, names of all people
appearing in the picture
and ages of all children.



Jim Hughes and his best harvest helper, granddaughter Raegan (18 months), near Winona. Photo by Jaimie Appel.

Your wheat life...



Ward Glessner during harvest 2018 at KW Farms near Mansfield. Photo by Nancy Glessner.



All smiles from Randy Repp and grandsons Derek (13) and Darin Repp (11) as harvest finishes on Aug. 13, 2018! Photo by Kristin Repp.



Former Washington Wheat Ambassador, Lexi Deishl, with her combine and cousin, Luella Whitehall (3). Photo by Paulette Whitehall.



Elle Tieman (3), granddaughter of Mark Hall, near Steptoe. Photo by Angie Tieman.

HAPPENINGS

All dates and times are subject to change.
Please verify event before heading out.

MARCH 2019

3 SAUSAGE FEED. All you can eat from 10 a.m. to 5 p.m. Menu includes home-made sausage, sauerkraut, mashed potatoes, green beans, roll, applesauce, pie and beverage. Beer garden. Uniontown Community Center, Uniontown, Wash. uniontownwa.org/events/

5 AIR QUALITY WORKSHOP. This Franklin Conservation District workshop will focus on innovations in dryland farming. It will include a WEEDit demonstration, information on a hoe drill modified for no-till, a farm bill update and more! Contact Heather Wendt at (509) 430-3693. Kahlotus Grange Hall in Kahlotus, Wash., from 1 p.m. to 4 p.m.

6 AIR QUALITY WORKSHOP. This Benton Conservation District workshop will focus on innovations in dryland farming. It will include a WEEDit demonstration, information on a hoe drill modified for no-till, a farm bill update and more! Lunch will be provided to the first 30 who preregister. Contact Melissa Pierce at (509) 736-6000 or Melissa-pierce@conservewa.net. Horse Heaven Hills Community Center in Prosser, Wash., from 9 a.m. to noon.

8-10 SPRING ARTS AND CRAFTS SHOW. Features 300 professional artists and crafters from across the U.S. Spokane Fair and Expo Center, Spokane, Wash. custershows.com

12 WAWG BOARD MEETING. Meeting starts at 10 a.m. at Washington Wheat Foundation Building, Ritzville, Wash. (509) 659-0610, wawg.org

22-24 SPRING ARTS AND CRAFTS SHOW. Features 150 professional artists and crafters from across the U.S. TRAC Center, Pasco, Wash. custershows.com

30 EXHIBIT GRAND OPENING. "Hope and Hard Work: The Story of our Farms and Food," 1:30-4 p.m. Free admission. Quincy Valley Historical Society and Museum is unveiling its new exhibit chronicling the story of farming in the west Columbia Basin since the 1800s. Using interpretive displays and activities, our vision is to educate the public and celebrate those who work on our farms. The exhibit will be a permanent part of the new Community Heritage Barn, part of our historic site, which also features

the Reiman-Simmons House, listed on the National Register of Historic Places and the 1904 Pioneer Church, both built by German-Russian pioneering families. Contact Harriet Weber at (509) 787-4685 or visit our Facebook page for info.

APRIL 2019

5-6 "HOPE AND HARD WORK: THE STORY OF OUR FARMS AND FOOD."

New exhibit that will be a permanent part of the new Community Heritage Barn at the Quincy Valley Historical Society and Museum. Quincy, Wash., 1:30-4 p.m. Free admission. qghsm.org

6-7 SPRING FARMING DAYS. Horse, mule and antique tractor farming on 13 acres. Activities starts at 9 a.m. both days. Eastern Washington Agricultural Museum will be open. Garfield County Fairgrounds east of Pomeroy, Wash.

11-14 WASHINGTON STATE SPRING FAIR. Baby animal exhibits, food, entertainment, demolition derby and monster truck show. Washington State Fairgrounds in Puyallup, Wash. thefair.com/spring-fair

12-13 "HOPE AND HARD WORK: THE STORY OF OUR FARMS AND FOOD."

New exhibit that will be a permanent part of the new Community Heritage Barn at the Quincy Valley Historical Society and Museum. Quincy, Wash., 1:30-4 p.m. Free admission. qghsm.org

13 LEAVENWORTH ALE-FEST. Brews, food and music. leavenworthalefest.com

20 EASTER EGG HUNT. Kids should bring their own baskets and enjoy an Easter egg hunt dash from 11 a.m. to 1 p.m. at Holzer Park in Uniontown, Wash. uniontownwa.org/events/

25-MAY 5 WASHINGTON STATE APPLE BLOSSOM FESTIVAL. Parade, carnival, golf tournament, apple pie and dessert bake-off, live entertainment, auction. Wenatchee, Wash. appleblossom.org

26-27 "HOPE AND HARD WORK: THE STORY OF OUR FARMS AND FOOD."

New exhibit that will be a permanent part of the new Community Heritage Barn at the Quincy Valley Historical Society and Museum. Quincy, Wash., 1:30-4 p.m. Free admission. qghsm.org

30-MAY 4. Junior Livestock Show of Spokane. Spokane County Fair and Expo Center. juniorshow.org

MAY 2019

4-5 RENAISSANCE FAIR. Music, entertainment, food, arts and crafts and maypole dances. East City Park, Moscow, Idaho. moscowrenfair.org

5 BLOOMSDAY. Spokane, Wash. bloomsdayrun.org

10-12 WINTHROP '49ER DAYS. Parade, old-fashioned games, rendezvous party, Saturday dinner, Sunday cowboy breakfast, auction. Winthrop, Wash. winthropwashington.com/event/49er-days

11-12 MAIFEST. Flowers, music, entertainment. Leavenworth, Wash. leavenworth.org

17-19 WAITSBURG CELEBRATION DAYS. Parade, carnival, brewfest, classic auto show. Waitsburg, Wash. cityofwaitsburg.com/events-calendar

17-19 SELAH COMMUNITY DAYS. Carnival, poker run, potato feed, arts and crafts. Selah, Wash. selahdays.com

24-26 TOUCHET RIVER ROUNDUP. Woody's world famous pig roast, Chili feed, camping, dancing, kids games. Registration required. Fairgrounds in Waitsburg, Wash. snafubar.com/pigroast/

27 WAITSBURG MEMORIAL DAY CELEBRATION. Local veterans give a presentation at the City Cemetery honoring all veterans. Waitsburg, Wash. cityofwaitsburg.com/events.html

24-27 MOSES LAKE SPRING FESTIVAL. Three on three basketball tournament, 5k and 10k run, car show, parade, carnival, beer garden. Moses Lake, Wash. moseslakespringfestival.com

25-27 METHOW VALLEY RODEO. Saddle bronc, bareback, bulls, barrel racing, team roping and junior events. Held at the rodeo grounds, about halfway between Twisp and Winthrop. methowvalleyrodeo.com

25-27 LAST STAND RODEO. Cowboy breakfast, 5k run, rodeos. Coulee City, Wash. laststandrodeo.com ■

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Email listings to editor@wawg.org. Include date, time and location of event, plus contact info and a short description.

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