USDA Climate Hub Building Block: Nitrogen Stewardship

USDA Climate Hubs are working with farmers, livestock producers, pasture and forest landowners to effectively partner in ways to help mitigate and adapt to a changing climate. Next in our series on the 10 Building Blocks for Climate Smart Agriculture and Forestry is Nitrogen Stewardship.

Within the United States, agriculture is a significant source of nitrous oxide (N2O) emissions—a greenhouse gas (GHG) that has a global warming potential 250 times more than carbon dioxide (CO2). In 2013, cropland agriculture released approximately 136 MMTCO2e (Million Metric Tons of Carbon Dioxide-Equivalent) in direct N2O emissions. More than half of these N2O emissions are from synthetic fertilizers and organic amendments. Improved nitrogen management practices can reduce emissions from these sources.

The primary practice used in the Nitrogen Stewardship Building Block to reduce GHG emissions involves the 4Rs: right source, right rate, right time, and right place. The 4Rs come from the NRCS Conservation Practice Standard (CPS) Nutrient Management (590). To read more about Nitrogen Stewardship click the
State Executive Director:
Clint Koble
775.857.8500 x 128

District Director:
Gus Wegren
775.857.8500 x 143

Farm Loan Chief:
Carolyn Estrada
775.857.8500 x 120

Farm Loan Manager:
Daniel Ferraro
775.623.5025 x 107

Farm Program Chief:
Janice Kolvet
775.857.8500 x 126

Elko FSA Office:
Claire Kehoe, CED
775.738.6445

Ely FSA Office:
Micki Wines, CED
775.289.4990 x 100

Fallon FSA Office:
Betty Hodik, Acting CED
775.423.5124

Lovelock FSA Office:
Katie Nuffer, Acting CED
775.273.2922

Winnemucca FSA Office:
Katie Nuffer, CED
775.623.5025

Yerington FSA Office:
Betty Hodik, CED
775.463.2855

following link or copy and paste the link into your web browser:

For more information about the USDA Climate Hubs click here:

USDA Announces Streamlined Guaranteed Loans and Additional Lender Category for Small-Scale Operators

USDA today also unveiled a new category of lenders that will join traditional lenders, such as banks and credit unions, in offering USDA EZ Guarantee Loans. Microlenders, which include Community Development Financial Institutions and Rural Rehabilitation Corporations, will be able to offer their customers up to $50,000 of EZ Guaranteed Loans, helping to reach urban areas and underserved producers. Banks, credit unions and other traditional USDA-approved lenders can offer customers up to $100,000 to help with agricultural operation costs.

EZ Guarantee Loans offer low interest rates and terms up to seven years for financing operating expenses and 40 years for financing the purchase of farm real estate. USDA-approved lenders can issue these loans with the Farm Service Agency (FSA) guaranteeing the loan up to 95 percent.

USDA is providing a 90-day period for the public to review and comment on program improvements. To review program details, visit www.regulations.gov, reference RIN 0560-AI34 and follow the instructions to submit comments.

More than half of all FSA loans go to new farmers and more than a quarter to underserved borrowers. FSA also offers loans of up to $5,000 to young farmers and ranchers though the Youth Loan Program. Loans are made to eligible youth to finance agricultural projects, with almost 9,000 young people now participating. More information about the available types of FSA farm loans can be found at www.fsa.usda.gov/farmloans or by contacting your local FSA office. To find your nearest office location, visit http://offices.usda.gov
New USDA Commitments to Help Build Up Next Generation of Farmers and Ranchers

USDA prioritized $5.6 billion over the next two years within USDA programs and services that serve new and beginning farmers and ranchers. A new, tailored web tool was designed to connect burgeoning farm entrepreneurs with programs and resources available to help them get started.

The new web tool is available at www.usda.gov/newfarmers. The site was designed based on feedback from new and beginning farmers and ranchers around the country, who cited unfamiliarity with programs and resources as a challenge to starting and expanding their operations. The site features advice and guidance on everything a new farm business owner needs to know, from writing a business plan, to obtaining a loan to grow their business, to filing taxes as a new small business owner. By answering a series of questions about their operation, farmers can use the site’s Discovery Tool to build a personalized set of recommendations of USDA programs and services that may meet their needs.

Using the new web tool and other outreach activities, and operating within its existing resources, USDA has set a new goal of increasing beginning farmer and rancher participation by an additional 6.6 percent across key USDA programs, which were established or strengthened by the 2014 Farm Bill, for a total investment value of approximately $5.6 billion. Programs were targeted for expanded outreach and commitment based on their impact on expanding opportunity for new and beginning farmers and ranchers, including starting or expanding an operation, developing new markets, supporting more effective farming and conservation practices, and having access to relevant training and education opportunities. USDA will provide quarterly updates on its progress towards meeting its goal. A full explanation of the investment targets, benchmarks and outcomes is available at: BFR-Commitment-Factsheet.

As the average age of the American farmer now exceeds 58 years, and data shows that almost 10 percent of farmland in the continental United States will change hands in the next five years, we have no time to lose in getting more new farmers and ranchers established. Equally important is encouraging young people to pursue careers in industries that support American agriculture. According to an employment outlook report released by USDA’s National Institute of Food and Agriculture (NIFA) and Purdue University, one of the best fields for new college graduates is agriculture. Nearly 60,000 high-skilled agriculture job openings are expected annually in the United States for the next five years, yet only 35,000 graduates with a bachelor's degree or higher in agriculture related fields are expected to be available to fill them. The report also shows that women make up more than half of the food, agriculture, renewable natural resources, and environment higher education graduates in the United States. USDA recently released a series of fact sheets showcasing the impact of women in agriculture nationwide.

The announcement builds on USDA’s ongoing work to engage its resources to inspire a strong next generation of farmers and ranchers by improving access to land and capital; building market opportunities; extending conservation opportunities; offering appropriate risk management tools; and increasing outreach and technical support. To learn more about USDA’s efforts, visit the Beginning Farmers and Ranchers Results Page.

2017 Acreage Reporting Dates

In order to comply with FSA program eligibility requirements, all producers are encouraged to visit their
local FSA office to file an accurate crop certification report by the applicable deadline.

Acreage reporting dates vary by crop and by county so please contact your local FSA office for a list of county-specific deadlines.

The following exceptions apply to acreage reporting dates:

- If the crop has not been planted by the applicable acreage reporting date, then the acreage must be reported no later than 15 calendar days after planting is completed.
- If a producer acquires additional acreage after the applicable acreage reporting date, then the acreage must be reported no later than 30 calendar days after purchase or acquiring the lease. Appropriate documentation must be provided to the county office.
- If a perennial forage crop is reported with the intended use of "cover only," "green manure," "left standing," or "seed," then the acreage must be reported by July 15th.

Noninsured Crop Disaster Assistance Program (NAP) policy holders should note that the acreage reporting date for NAP covered crops is the earlier of the applicable dates or 15 calendar days before grazing or harvesting of the crop begins.

For questions regarding crop certification and crop loss reports, please contact your local FSA office.

---

USDA Announces Enrollment Period for Safety Net Coverage in 2017

Producers on farms with base acres under the safety net programs established by the 2014 Farm Bill, known as the Agriculture Risk Coverage (ARC) or Price Loss Coverage (PLC) programs, can begin visiting FSA county offices starting Nov. 1, 2016, to sign contracts and enroll for the 2017 crop year. The enrollment period will continue until Aug. 1, 2017.

Since shares and ownership of a farm can change year-to-year, producers on the farm must enroll by signing a contract each program year.

If a farm is not enrolled during the 2017 enrollment period, the producers on that farm will not be eligible for financial assistance from the ARC or PLC programs for the 2017 crop should crop prices or farm revenues fall below the historical price or revenue benchmarks established by the program. Producers who made their elections in 2015 must still enroll during the 2017 enrollment period.

The ARC and PLC programs were authorized by the 2014 Farm Bill and offer a safety net to agricultural producers when there is a substantial drop in prices or revenues for covered commodities. Covered commodities include barley, canola, large and small chickpeas, corn, crambe, flaxseed, grain sorghum, lentils, mustard seed, oats, peanuts, dry peas, rapeseed, long grain rice, medium grain rice (which includes short grain and sweet rice), safflower seed, sesame, soybeans, sunflower seed and wheat. Upland cotton is no longer a covered commodity. For more details regarding these programs, go to www.fsa.usda.gov/arc-plc.

For more information, producers are encouraged to visit their local FSA office. To find a local FSA office, visit http://offices.usda.gov.
Margin Protection Program for Dairy Enrollment Deadline is Dec. 16

The deadline for dairy producers to enroll in the Margin Protection Program (MPP) for Dairy is Dec. 16, 2016. This voluntary dairy safety net program, established by the 2014 Farm Bill, provides financial assistance to participating dairy producers when the margin – the difference between the price of milk and feed costs – falls below the coverage level selected by the producer. A USDA web tool, available at [www.fsa.usda.gov/mpptool](http://www.fsa.usda.gov/mpptool), allows dairy producers to calculate levels of coverage available from MPP based on price projections.

USDA Offers Targeted Farm Loan Funding for Underserved Groups and Beginning Farmers

The USDA Farm Service Agency (FSA) reminds producers that FSA offers targeted farm ownership and farm operating loans to assist underserved applicants as well as beginning farmers and ranchers.

USDA defines underserved applicants as a group whose members have been subjected to racial, ethnic, or gender prejudice because of their identity as members of the group without regard to their individual qualities. For farm loan program purposes, targeted underserved groups are women, African Americans, American Indians and Alaskan Natives, Hispanics and Asians and Pacific Islanders.

Underserved or beginning farmers and ranchers who cannot obtain commercial credit from a bank can apply for either FSA direct loans or guaranteed loans. Direct loans are made to applicants by FSA. Guaranteed loans are made by lending institutions who arrange for FSA to guarantee the loan. FSA can guarantee up to 95 percent of the loss of principal and interest on a loan. The FSA guarantee allows lenders to make agricultural credit available to producers who do not meet the lender's normal underwriting criteria.

The direct and guaranteed loan program provides for two types of loans: farm ownership loans and farm operating loans. In addition to customary farm operating and ownership loans, FSA now offers Microloans through the direct loan program. The focus of Microloans is on the financing needs of small, beginning farmer, niche and non-traditional farm operations. Microloans are available for both ownership and operating finance needs. To learn more about microloans, visit [www.fsa.usda.gov/microloans](http://www.fsa.usda.gov/microloans).

To qualify as a beginning producer, the individual or entity must meet the eligibility requirements outlined for direct or guaranteed loans. Additionally, individuals and all entity members must have operated a farm for less than 10 years. Applicants must materially or substantially participate in the operation.

For more information on FSA's farm loan programs and targeted underserved and beginning farmer guidelines, visit [www.fsa.usda.gov/farmloans](http://www.fsa.usda.gov/farmloans).

USDA Encourages Producers to Consider Risk Protection Coverage before Crop Sales Deadlines
The Farm Service Agency encourages producers to examine available USDA crop risk protection options, including federal crop insurance and Noninsured Crop Disaster Assistance Program (NAP) coverage, before the applicable crop sales deadline.

Producers are reminded that crops not covered by insurance may be eligible for NAP. The 2014 Farm Bill expanded NAP to include higher levels of protection. Beginning, underserved and limited resource farmers are now eligible for free catastrophic level coverage, as well as discounted premiums for additional levels of protection.

Federal crop insurance covers crop losses from natural adversities such as drought, hail and excessive moisture. NAP covers losses from natural disasters on crops for which no permanent federal crop insurance program is available, including perennial grass forage and grazing crops, fruits, vegetables, mushrooms, floriculture, ornamental nursery, aquaculture, turf grass, ginseng, honey, syrup, bioenergy, and industrial crops.

USDA has partnered with Michigan State University and the University of Illinois to create an online tool at [www.fsa.usda.gov/nap](http://www.fsa.usda.gov/nap) that allows producers to determine whether their crops are eligible for federal crop insurance or NAP and to explore the best level of protection for their operation. NAP basic coverage is available at 55 percent of the average market price for crop losses that exceed 50 percent of expected production, with higher levels of coverage, up to 65 percent of their expected production at 100 percent of the average market price, including coverage for organics and crops marketed directly to consumers.

Deadlines for coverage vary by state and crop. To learn more about NAP visit [www.fsa.usda.gov/nap](http://www.fsa.usda.gov/nap) or contact your local USDA Service Center. To find your local USDA Service Centers go to [http://offices.usda.gov](http://offices.usda.gov).


USDA is an equal opportunity provider, employer and lender. To file a complaint of discrimination, write: USDA, Office of the Assistant Secretary for Civil Rights, Office of Adjudication, 1400 Independence Ave., SW, Washington, DC 20250-9410 or call (866) 632-9992 (Toll-free Customer Service), (800) 877-8339 (Local or Federal relay), (866) 377-8642 (Relay voice users).