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GROWING ORGANIC

NRCS ASSISTANCE FOR ORGANIC FARMERS

www.nrcs.usda.gov/organic

featuring information artworks by DOUGLAS GAYETON



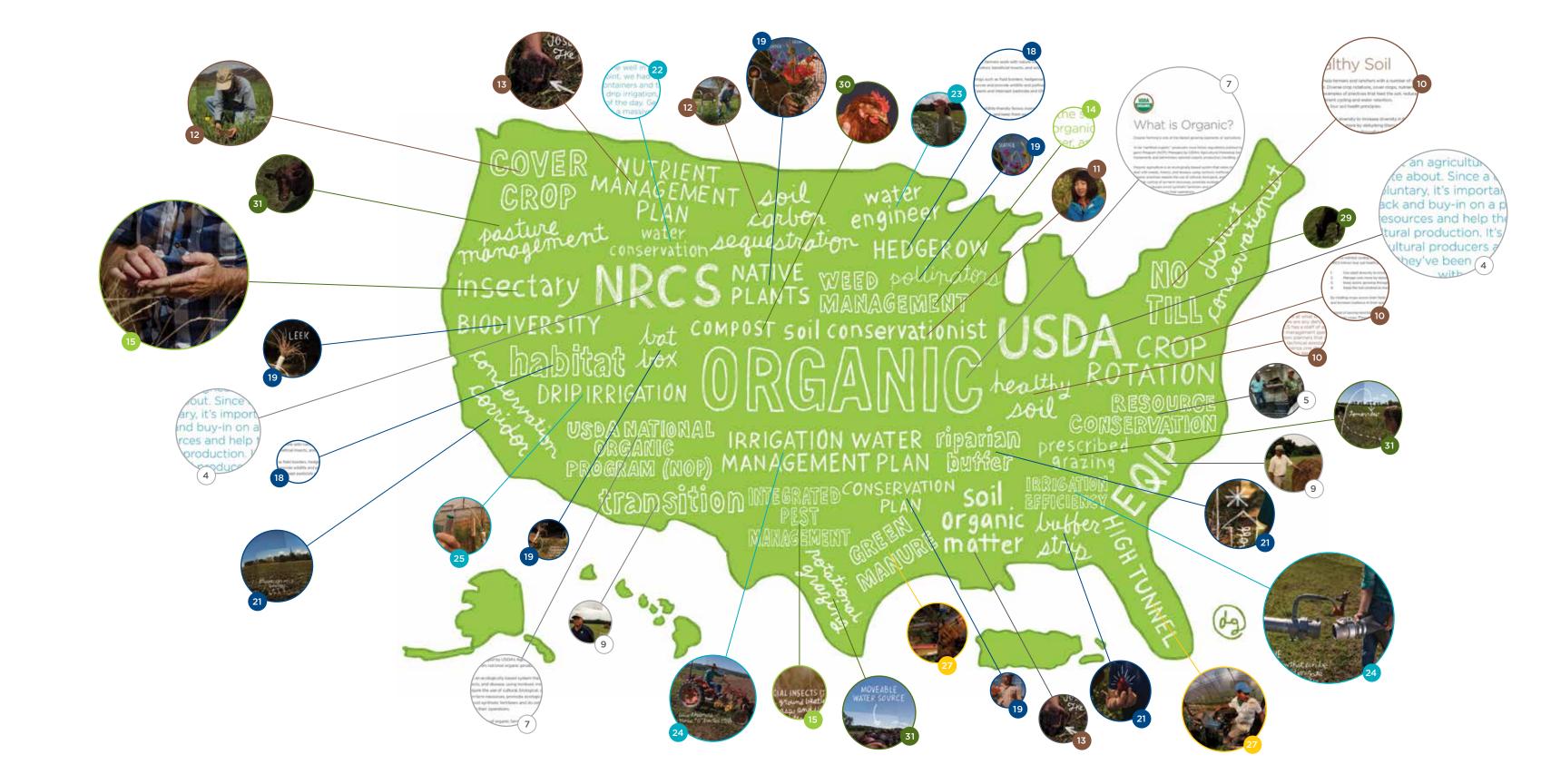


GROWING ORGANIC NRCS ASSISTANCE FOR ORGANIC FARMERS

- 4 WHAT IS NRCS?
- 7 WHAT IS ORGANIC?
- 8 NRCS & TRANSITION TO ORGANIC
- HEALTHY SOIL

 cover crops | crop rotation | compost | no till |

 conservation tillage | soil organic matter
- WEED & PEST MANAGEMENT
 insectaries | beneficial insects | companion planting |
 mulch | cover crops
- HABITAT
 biodiversity | conservation corridor | hedgerows |
 buffer strips | fish and wildlife habitat management |
 bat and owl boxes
- IRRIGATION
 drip irrigation | irrigation water management | flowmeter |
 soil moisture sensor | water quality | water quantity
- 26 HIGH TUNNELS
 season extension | climate control | drip irrigation |
 plant health and vigor | energy savings | local food
- LIVESTOCK & PASTURE MANAGEMENT diverse pasture plantings | moveable fences | watering | fencing | rotational grazing | nutrient management | pasture & grazing management
- 5 STEPS TO NRCS ASSISTANCE





What is NRCS?

Since 1932, the United States Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) has provided assistance to agricultural producers to conserve the soil, water, air, plants, and animals on their land.

Through offices in nearly every county across the U.S., NRCS provides technical and financial assistance to help agricultural producers — including certified organic and transitioning producers — plan and implement voluntary, science-based conservation practices.

NRCS experts, such as district conservationists, soil conservationists, engineers, biologists, botanists, and others, work together to help producers find and apply conservation solutions while ensuring their working lands remain productive. Staff often live and work in the counties that they serve, and thereby understand local issues and challenges.

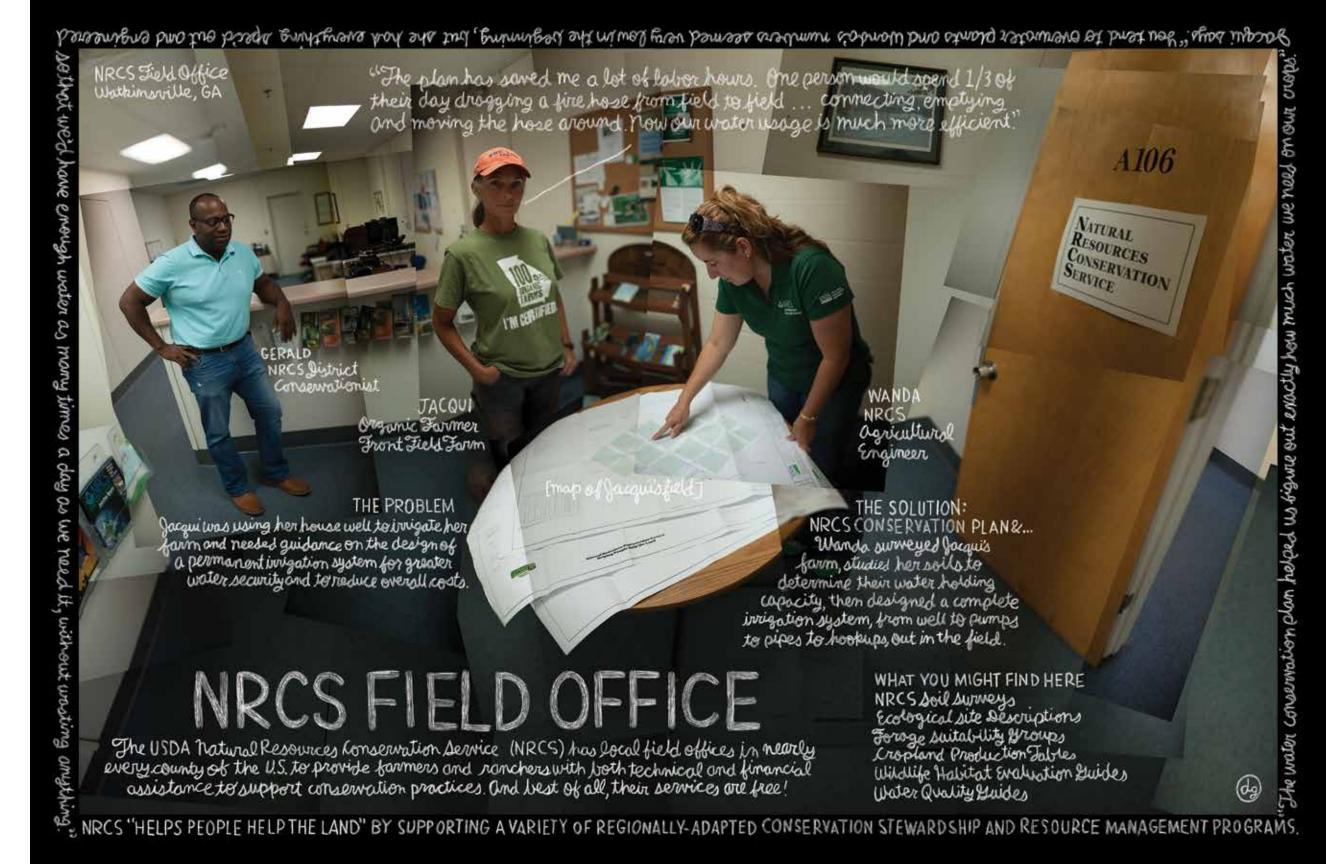
Organic agriculture and NRCS' goals are well aligned. Many of the USDA Organic regulations can be achieved using NRCS conservation practices, which reflect these shared goals.

"NRCS is a great resource for understanding some baseline things, like soil types and characteristics of a particular growing environment right up through supporting cover cropping, high tunnels and a whole range of technical assistance and financial support."

Jack Hedin, Certified Organic Farmer
 Featherstone Farms, Rushford, MN

"I look at what an agricultural producer is passionate about. Since a conservation plan is voluntary, it's important to get their feedback and buy-in on a plan that can protect resources and help them with their agricultural production. It's rewarding when agricultural producers are happy with changes they've been able to make with our practices."

Jennifer Walser, NRCS District Conservationist
 Sonoma County, CA







What is Organic?

Organic farming is one of the fastest growing segments of agriculture.

To be "certified organic," producers must follow regulations outlined by the USDA National Organic Program (NOP). Managed by USDA's Agricultural Marketing Service, the NOP develops, implements and administers national organic production, handling, and labeling standards.

Organic agriculture is an ecologically based system that relies on preventative practices to deal with weeds, insects, and disease, using nontoxic methods for any problems that arise. Organic practices require the use of cultural, biological, and mechanical practices that support the cycling of on-farm resources, promote ecological balance, and preserve biodiversity. Organic producers avoid synthetic fertilizers and do not use sewage, sludge, irradiation, or genetic engineering on their operations.

Healthy soil is the foundation of organic farming. Early leaders of the organic farming movement emphasized that successful farming depends on the health of all natural resources on the farm and in its surroundings. Organic producers strive to develop farming systems that mimic nature and utilize natural processes.

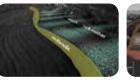
More and more farmers and ranchers will be transitioning to organic to meet growing consumer demand, which currently outpaces U.S. growers' supply. NRCS looks forward to providing conservation assistance to today's and tomorrow's organic producers.

"We are very rooted in doing a type of farming that respects biodiversity and the health of the planet. The more we learn about natural systems and how we can work with them and enhance them in order to produce food, the more excited we are. You just feel really good to be part of a larger system."

> - Harriet Behar, Certified Organic Farmer Behar/Brin Farm, Gays Mills, WI

"I just have this love of nature, I guess, that really drives me. When I decided to get into agriculture myself, it wasn't like I switched from chemical production to organic; it was more an extension of the values I learned growing up.'

> - Jim Riddle, Certified Organic Farmer Blue Fruit Farm, Winona, MN







Watch "Growing Organic: NRCS Assistance for Organic Farmers at www.nrcs.usda.gov/organic

NRCS & Transition

To be considered organic and to use the USDA Organic seal, all operations with more than \$5,000 in organic sales must be certified. Independent, third-party USDA-accredited organizations certify farms and ranches as organic. The application to become certified organic and use the USDA Organic seal includes:

- 1. Detailed description of the operation
- 2. History of substances applied over past three years
- 3. Organic products grown, raised or processed
- 4. Organic System Plan describing practices and substances used

It takes three years to transition land to an organic system that was previously farmed conventionally. Farmers may choose to have both organic and nonorganic fields, but must create buffer zones between them.

NRCS Technical Service Providers (TSP) can help producers develop a Conservation Activity Plan for Organic Transition (CAP 138). CAP 138 consists of three sections: Resource Inventory, Erosion Control Inventory, and Summary Record of Planned NRCS Conservation Practices. The Resource Inventory section may serve as a portion of the Organic System Plan, which is required for certification.

Farmers and ranchers should begin by working with NRCS to develop a conservation plan for their operation. Then, a TSP can develop a CAP 138 for transition and producers can apply for financial assistance to implement conservation practices or enhancements.

Additionally, farmers may apply for up to 75 percent — up to a maximum of \$750 per year — reimbursement of organic certification costs.

"I would say to farmers thinking about transitioning to organic that you really have to be open to experimentation. There's no substitute for trying different methods on your farm under the exact conditions that exist where you're farming and to experiment. Be willing to be flexible and to adopt new methods and try things differently every single season."

Stephen Pedersen, Certified Organic Farmer
 High Ground Organics, Watsonville, CA

"The most important thing is to have conservation plans that help transition to organic. They can address concerns while also moving a farm toward the regulations and requirements of organic certification."

Randall Wordlaw, NRCS District Conservationist
 Wedowee, AL

Resembled tones may be miss helped him hangues from from conventional agricultural production using themical-intensing practices to contifued-organic FARMERS TRANSFORM THEIR SOIL Eliminate the use of all chemical-intensive practices. including non-approved pesticides "aml glad livent organic? and synthetic fertilizers yes, lam It was the hardest . adopt hiological practices to thing live ever done ... and build soil health that include nowl getthree, four and CROP ROTATIONS five times the price for my 1. Increase Biodiversity transplants and double MINIMUM OR NO TILLAGE the price for my organic (teduce soil disturbance) sweet potatoes? COVER CROPS YEAR-ROUND (keep soil covered) USE OF COMPOST, MANURE AND CROP RESIDUE TRANSITION (necycle nutrients and build soil bertility.) MINIMAL USE OF OFF-FARM INPUTS a three year process farmers follows transform their land from conventional to certified organic production, with all farm imputs and practices third party verified for conformity to USDA National Organic Program (NOP) standards. (building a regenerative system) Switting VA CLIF SAYS, "MY FRIENDS THINK I'M CRAZY AND THEY SAY, 'YOU'VE JOINED THE LIKES OF THOSE TREE HUGGERS' AND THINGS LIKE THAT, BUT I SEE WHAT ORGANIC FARMING CAN DO?"

Healthy Soil

NRCS can help farmers and ranchers with a number of conservation practices that build healthy soil. Diverse crop rotations, cover crops, nutrient management and conservation tillage are examples of practices that feed the soil, reduce erosion, improve soil structure, and enhance nutrient cycling and water retention.

NRCS follows four soil health principles:

- 1. Use plant diversity to increase diversity in the soil.
- 2. Manage soils more by disturbing them less.
- 3. Keep plants growing throughout the year to feed the soil.
- 4. Keep the soil covered as much as possible.

By rotating crops across their fields from season to season, organic farmers add biodiversity and increase resilience in their operations while increasing their soil's organic matter.

Instead of leaving land fallow after each harvest, organic farmers keep the ground covered with cover crops. Throughout the growing season, the cover crops act as a green manure, providing an additional source of nutrients that build soil organic matter and reduce the need to bring in additional inputs from off-farm sources.

If crops need additional nutrients, NRCS can help producers develop a nutrient management plan that incorporates organic plant, animal, and natural mineral-based fertilizers, most of which release nutrients gradually through the action of soil organisms.

Organic no-till systems, such as the roller-crimper, have also helped organic producers reduce the intensity of soil disturbance in annual crop rotations.

By using NRCS soil health principles and systems, farmers can sequester more carbon, increase water infiltration, and improve wildlife and pollinator habitat — all while harvesting better profits and often better yields.

"The soil is a biological engine. By growing cover crops and turning them back into the soil we're giving fuel to that engine so the microbes can give our plants what they need to be successful. We also end up increasing the amount of carbon within the soil as well."

Joe Reynolds, Certified Organic Farmer
 Gaia Gardens, Decatur, GA

"On organic farming systems, we offer assistance with nutrient management plans. These look at nutrients on the whole farm, including what is already available within the soil and what the plant needs to uptake. Then we look at what is being applied to see if there are any deficits or excess nutrients. NRCS has a staff of agronomists and nutrient management specialists and conservation planners that can help to provide the technical assistance needed to take the science one step further and understand what the data can tell us about working lands."

Jennifer Walser, NRCS District Conservationist
 Sonoma County, CA



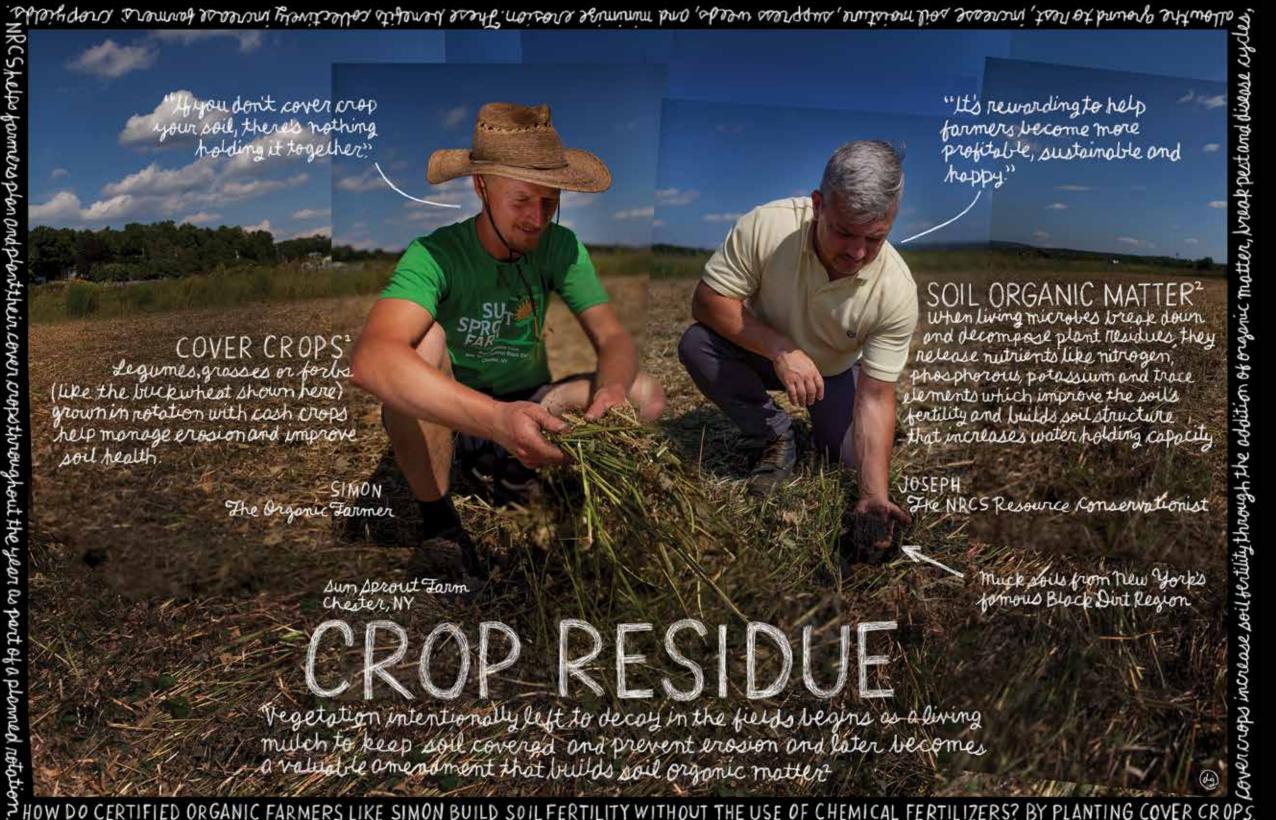




Watch "Healthy Soil: NRCS Assistance for Organic Farmers" at www.nrcs.usda.gov/organic

LOBBE at the soil amendments a harm applied. Organic growers have fewer intrient choices but they still Over 8. whose apply what the roof. It intrient halp more have makining even Conservationist Cassata sonomo. "We help producers see the whole picture by gathering good quantitative information and establishing a NUTRIENT Cassata Sonoma Vineyard Guen Ellen, CA BUDGET that turns what they may be observing into actual numbers they can fine tune to shape their nutrient application and management decisions! Possesses a practical knowledge of ratural resources and environmental conservation methods and techniques. Provides farmers and ranchers with conservation planning assistance from initial evaluation through project completion and plan evaluation. THE USDA'S NATURAL RESOURCES CONSERVATION SERVICE CAN HELP PRODUCERS ACHIEVE GREATER YIELDS WHILE ALSO EFFECTIVELY STEWARDING THEIR NATURAL RESOURCES.





Weed & Pest Management

One of the greatest challenges organic farmers face is weed management. A single weed can produce more than 10 million seeds, and if they're not dealt with in time, they can present farmers with challenges for years to come. Instead of using chemical herbicides, organic farmers can work with NRCS to implement a variety of conservation practices that suppress weeds while building soil health.

Cover crops are one of the most effective tools for suppressing weeds, and they work in three ways.

- 1. When alive, they outcompete weeds for water, nutrients, and sunlight.
- 2. As mulch, they minimize weed growth by physically preventing the germination of weed seeds, cutting off access to light and warmer temperatures.
- 3. When certain legumes, cereals or brassica decompose, they produce natural herbicides that can suppress weed seed while sequestering carbon.

Rotating crops and timing planting dates to avoid weed germination windows are other effective weed suppression strategies.

NRCS can also help growers implement conservation tillage practices. Organic no-till uses tools like the roller crimper to kill cover crops while leaving their residue as a green mulch that feeds the soil and suppresses weeds. Farmers can use a variety of other mulches made from natural materials, paper or plastic. These are installed at the beginning of the growing season and trap soil moisture while preventing sunlight and weed growth.

Pest management on organic and transitioning farms requires a holistic approach. It relies primarily on preventing and avoiding pests with cultural and mechanical suppression. NRCS coordinates conservation plans with farmers' Integrated Pest Management plans to protect natural resources and benefit the ecosystem.

For example, organic farmers can plant insectaries to attract beneficial insects, like ladybugs, that biologically control pests. They can use companion planting to draw pests away from crops. Installing nesting sites such as bat and owl boxes can also help manage pests. Cover crops naturally break the cycle of soil-borne diseases, and some soil-dwelling insects, while increasing the soil's organic matter.

"We farm organically by dealing with erosion and insects and weed problems using non-synthetic measures. We also deal with intercropping and crop rotations. It's a big misconception that it's more difficult to farm organically than it is to farm using conventional methods."

Gene Thornton, Farmer
 Sneaky Crow Farm, Roanoke, AL

"At NRCS we always want to reduce tillage.
Tillage destroys the structure of your soil. It
burns up your organic matter. But if you're
an organic producer, and you want to control
weeds and don't spray, that's an issue.

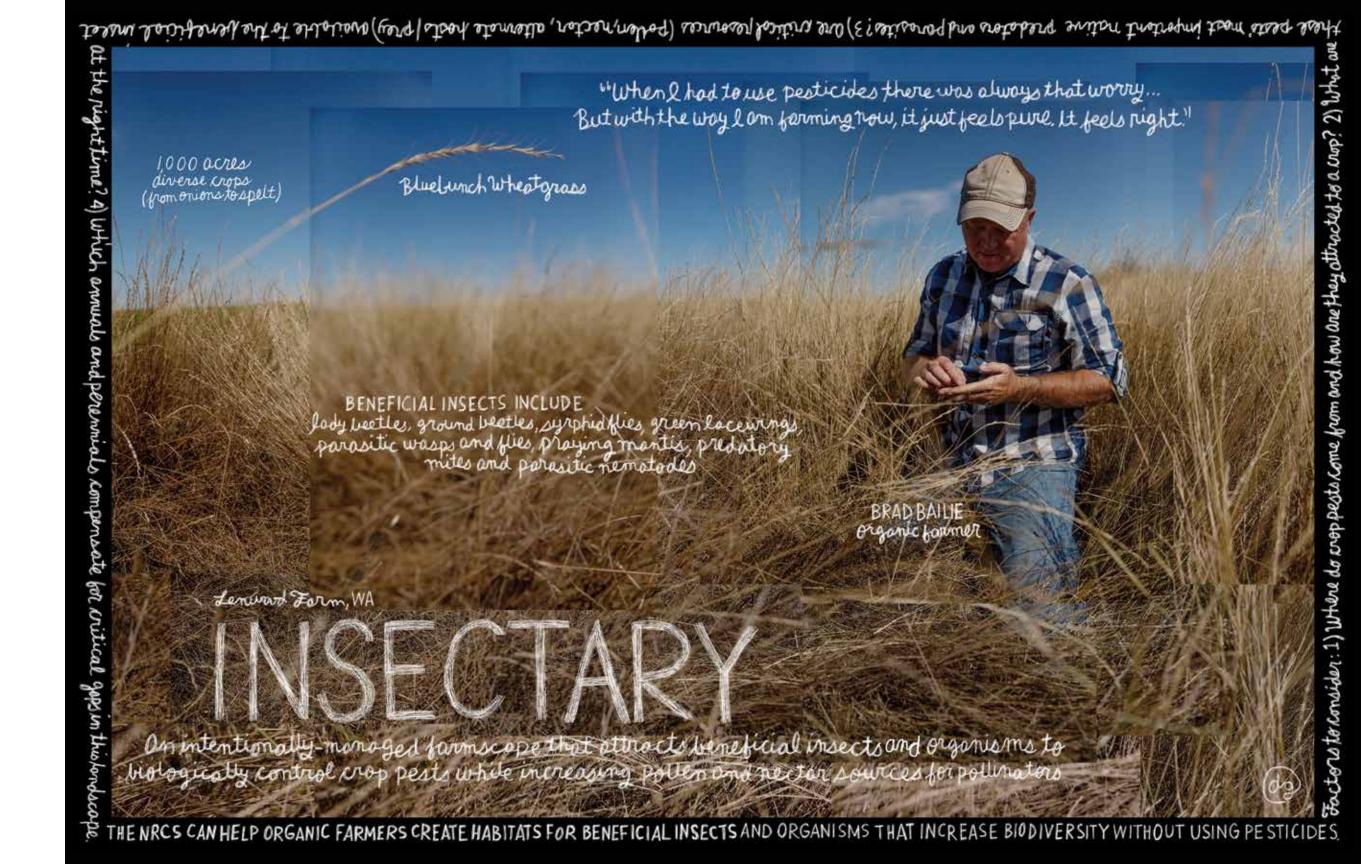
How can we work on controlling weeds without tillage? Cover crops are perfect because now we're building soil health... and we're controlling weeds. We're addressing your problem and we're also meeting our goal!"

- **Cullen McGovern**, NRCS Soil Conservationist Longmont, CO





Watch "Weed Management: NRCS Assistance for Organic Farmers" at www.nrcs.usda.gov/organic



E su novelengths, which differ from exceptoroup by reflecting light from the appropriately colored plactic much onto plant bloves, plant development can be Red Wagon Organic Farm Boulder, CO 26 June 2016 "Weeds are the most expensive thing on this form. The fewer weeds we have, the more profitable we are" WYATT'S FOUR WEED BOUQUET Lamb's Quarter Redroot Pigweed Birdweed BuffaloBur any non-synthetic material, such as wood chips, leaves, or straw or any allowed synthetic material such as newspaper or plastic, that perves to suppress weld growth, moderate soil temperature, or conserve soil moisture*. NRC Scan help "It you need to grow a profitable crop and get rid of bindweld, the plastic is huge and it soves us a burch of water by trapping it so it producers with a variety of mulches, including plastic match green much and paper much. doesn't evaporate through the surface * per the USDA's National Organic Program (NOP)

They penies from also provide protective sheller, with taller plants should be de to sur-servitive shorts or along as a windtreet, with taller plants "What distinguishes an organic from a conventional form is the things that you use and the things you're putting into the ground OMRANION PLANTING On agricultural practice that places different crops in close Proximity, with the chemical defense systems of one plant used to assist another plant with pest control, provide habitat for beneficial creatures or help with pollination

INSTEAD OF SYNTHETIC HERBICIDES, ORGANIC FARMERS RELY ON A VARIETY OF TOOLS TO SUPPRESS WEEDS, INCLUDING MULCH

Habitat

NRCS can help organic farmers work with nature instead of against it, building and conserving vital habitat for pollinators, beneficial insects, and wildlife.

Conservation plantings such as field borders, hedgerows, and riparian buffers can help protect water and soil resources and provide wildlife and pollinator habitat. These may also harbor natural enemies of pests and intercept pesticide and GMO pollen drift from neighboring non-organic farms.

Wildlife corridors and wildlife-friendly fences maintain connectivity for wide-ranging wildlife, such as deer and predators, and keep them away from crops. Structures like owl and bat boxes create places for beneficial wildlife that reduce pests.

NRCS can also provide assistance with biodiversity practices that include stream habitat restoration, tree and shrub establishment, wetland wildlife habitat management, prairie restoration, multispecies native perennials for biomass and wildlife habitat, riparian buffers, terrestrial and aquatic wildlife habitat, and prescribed grazing management.

NRCS not only helps to create wildlife habitat on a farm-by-farm basis, but the agency also targets at-risk species on a landscape scale. NRCS works with partners and landowners to conserve targeted species in specific areas, realizing that many farmers and ranchers working together can make a difference.

"Diversity is the rule of the game now. We've got diverse people, flowers, plants, animals, you name it. Biodiversity, in my case, would mean that we try to mimic Mother Nature."

Gene Thornton, Certified Organic Farmer
 Sneaky Crow Farm, Roanoke, AL

"Farmers are dealing with nature all the time. If it's always a combative stance and you're just trying to fight off every pest or every rainstorm or every drought without using what nature has to offer, then you're missing out on half of what you could be using to be a good farmer."

Jeanne Byrne, Certified Organic Farmer
 High Ground Organics, Watsonville, CA

"The core is always going to be the conservation plan. We go out on the land and meet with the producer, identify any resource concerns, then find a program that helps accomplish the practices we see need to be done ... everything from nutrient management to pest management, even putting in insectaries to help with the pollinators."

- Glenn L. Riehle, NRCS Resource Conservationist







Watch "Habitat and Biodiversity: NRCS Assistance for Organic Farmers" at www.nrcs.usda.gov/organic

the conservation of natural resources. Working with NRCS, borners can unprove water quality and enhance soil health without prohibited substance, through conservation? PINCUSHION PROTEA "Lam just mimicking mother nature: LEONURUS LAVENDER RIPARIANAREA Provides food, cover and corridors for beneficial organisms, slows wind and water down for Uses recturnal predators instead of chemicals to handle rodents and other pests. erosion control, provides groundwater recharge and protective filters against pesticide and genetic drift from non-organic neighbors. NATIVE PLANTS Oak and Manzanita Everything on the farm serves a key purpose: for the environment, the soil or consumption. Maximizing the benefits of biodiversity allows Javier's Home for wees that provide valuable ecosystem services (1/3 of all fruits and vegetables farm to thrive and grow. The collective environment of cultivated and wild plants, onimals and soil microorganisms that interact in mutually beneficial ways to create a balanced ecosystem FTHE NRCS HELPS ORGANIC FARMERS WITH CONSERVATION PRACTICES THAT FOSTER CYCLING OF RESOURCES, PROMOTE ECOLOGICAL BALANCE AND PRESERVE BIODIVERSITY, &





Irrigation

NRCS can help organic farmers with irrigation water management strategies tailored to their farm's specific needs. Conservation practices can also protect water quality in the surrounding ecosystem.

Water quantity. Irrigation management plans combine conservation principles with efficiency, balancing the farm's water needs with those of nature. Tools like drip irrigation, which provides water precisely where and when it's needed, can achieve greater precision with flow meters and soil moisture sensors.

Farmers can also conserve water by increasing their soil's water holding capacity and using conservation tillage to keep the ground covered, reducing water loss through transpiration and evaporation.

A one percent increase in soil organic matter can help the soil retain an additional 20,000 gallons of water per acre that can be banked and become available when plants need it most. NRCS agricultural engineers can use satellite-tracking tools to conduct precise topographic surveys, then design complete site-specific irrigation systems, from wells to pumps to pipes to hookups out in the field, saving water by improving irrigation efficiency. In combinations, these practices add up and make a huge difference.

Water quality. Well-managed organic systems rely on slow-release forms of nutrients, which reduce the risk of nutrient runoff and leaching. These practices help maintain water quality, while enhanced soil structure, water infiltration, and better nutrient retention also protect water quality. NRCS-developed nutrient management plans, cover crops, and buffers keep soil and nutrients in place and filter runoff water.

"One of the most profound things NRCS has been able to help us with is the establishing of the well in the upper fields. Up until that point, we had to chuck water into massive containers and then feed it to the lines for drip irrigation, which took a lot of time out of the day. Getting that well installed was a massive improvement."

 Mark Lui, Certified Organic Farmer Crystal Organic Farms, Newborn, GA

"We've used the NRCS program for intermediate water management, so we're actually tracking the soil moisture that's available to plants multiple times per week. Now, we're only watering when it's necessary. It's important not only for soil quality, but to benefit water quality and water conservation through efficient irrigation, and these benefits also come across in the quality of the produce grown here."

Ryan Power, Certified Organic Farmer
 New Family Farm, Sebastopol, CA







Watch "Irrigation and Water Management: NRCS Assistance for Organic Farmers" at www.nrcs.usda.gov/organic

Name atabilization and weate atcrease facilities, but the bulk of my weak night now is providing irrigation technical assistance. At Front Field Farm, I'll was the data I collect tof sweet potatoe HOW DOES WANDA COMPLETE A TOPOGRAPHIC SURVEY? WHY IS THIS "You have to set up a HELPFUL FOR JACQUIP brase station which reads the "Wanda first assessed our soil to help satellites. Then you set up the determine how much water they'll rover (which you walk around with to get survey points) so retain. Then she mapped out every inch of every field so she would that it reminumicates with the base station. The rover has a know how many now feet we would have and how many drip tapes we data collector that allows the natural Resources would need. Then she figured out user to see in real-time her Conservation service what size pipe we would need to location and elevation. I will the run enough water to each of these data collector to shoot the points fields to water whatever crop we and store the survey data that will were planting? be used to develop a topo map of the location just surveyed! THE AGRICULTURAL ENGINEER
Responsible for providing technical guidance and the overall planning, design, installation
and maintenance of the agricultural engineering phases of conservation activities. NRCS CAN HELP FARMERS SECURE QUALITY WATER SOURCES AND OPTIMIZE THEIR USE TO GROW A BETTER CROP WHILE MAINTAINING GOOD CONSERVATION PRACTICES





High Tunnels

Across the U.S., farmers are discovering the benefits of high tunnels. NRCS can help producers integrate high tunnels into their operations.

While they may look like greenhouses, high tunnels are actually quite different. Greenhouses are usually constructed of glass and metal, with plants grown in pots above the ground. High tunnels are polyethylene, plastic or fabric covered hoop structures that can be assembled for a fraction of the cost, with plants grown in raised beds or grown directly in the ground.

Because the growing conditions are controlled, plant health is optimized. High tunnels protect plants from severe weather and allow farmers to extend their growing seasons — growing earlier into the spring, later into the fall, and sometimes, year-round. And because high tunnels prevent direct rainfall from reaching plants, farmers can use precise tools like drip irrigation to efficiently deliver water and nutrients to plants. High tunnels also offer farmers a greater ability to control pests and can even protect plants from pollen and pesticide drift.

A number of soil health practices can be used in high tunnels, including cover crops and crop rotations, which also prevent erosion, suppress weeds, increase soil water content, and break pest cycles.

Perhaps the best thing about high tunnels is that they help farmers provide their communities with healthy local food for much of the year – food that requires less energy and transportation inputs and provides communities with greater food security.

"We have really cold, wet springs with a lot of rain. High tunnels allow people to get into the ground and start producing crops earlier. They can also help people extend the growing season later as we go into the rains in the fall."

Danny Perich, Certified Organic Farmer
 Full Plate Farm, Ridgefield, WA

"We got assistance from the NRCS to put in the high tunnel and it's completely changed the way we farm tomatoes. We are able to get 103 tomato plants in there and before, we would do maybe 40 to 50 plants. So it's double production for us. We're also able to grow things during the winter, which we've never been able to do before."

Stacey Givens, Urban Farmer
 Side Yard Farm, Portland, OR







Watch "Growing All Seasons: NRCS Assistance with High Tunnels" at www.nrcs.usda.gov/organic



Livestock & Pasture Management

Organic livestock producers provide living areas that encourage the health and natural behavior of their animals. They use only certified organic feed, provide year-round access to the outdoors and access to pasture for ruminants and don't use antibiotics or growth hormones.

NRCS can help organic livestock producers with practices such as pasture and grazing management, diverse pasture plantings, fencing, and walkways, watering facilities, and shelters for animals.

Pastures, regardless of organic status, can become overgrazed, which can harm animal health and damage natural resources. USDA organic standards require producers to maintain pasture in a state of good health through management strategies that promote good forage quality and quantity, weed control, infiltration of precipitation, and erosion control.

One key practice is rotational grazing. This approach separates open fields into a series of closed paddocks that regularly directs animals to fresh pasture. The size of these paddocks is determined by the number of animals, time of year, grazing duration, and quality of available forage. Proper fencing and adequate water supplies are features of these intensively managed grazing systems.

Fences can control erosion or impede animal access to sensitive areas like ponds, streams, wellheads or protected habitat, while gated paddocks can be opened and closed to provide cattle access to fresh pasture. Diverse pasture plantings on provide livestock with well-balanced, nutritious forage that keeps them healthy. Using season-specific plantings is also good for the entire ecosystem.

"With a comprehensive nutrient management plan, livestock producers can use a system of practices to manage livestock waste on the farm. In particular, soil health practices in the plan include Rotational Grazing, testing soils and placing nutrients as fertilizer as to minimize effects to sensitive areas such as adjoining streams, habitats, and buffers."

Joseph I. Heller, NRCS District Conservationist
 Rockland County, NY

"The reason we have cows is because of all the nutrients they create. In the right context they are such a great animal for rebuilding the soil. But we didn't want the manure just dumping into the water or all in one place, so our NRCS comprehensive nutrient management plan helped tell us where to store manure properly so it could become an asset rather than a pollutant."

Marty Lain, Certified Organic Farmer
 Kezialain Bicentennial Farm, Westtown, NY







Watch "Pasture Management: NRCS Assistance for Organic Farmers" at www.nrcs.usda.gov/organic

greenening everally includent, have the chitating bear for the contraction of the contraction from the almost free practicing what some water so I Want to see our lts something that can sustain us in resources the long term protected! -SUE [the organic Farmer] [the NRCS District Conservationist Florer Ridge Farim Works directly with farmers by providing technical and design expertise, financial support, and guidance on assistance programs that enhance on-farm conservation practices by benefiting wildlife, reducing energy costs, improving water and air quality, and helping build healthy soils THE USDA'S NATURAL RESOURCES CONSERVATION SERVICE (NRCS) CAN HELP ORGANIC FARMERS BUILD HEALTHY SOILS TO SUPPORT HEALTHY COWS that's different than howing a factory scale form where you might have mony completes taking care of your own mind formily forms but I think that's The USDA organic standard requires producers to provide all poultry with year-round access to the outdoors, sumlight, shade, shalter, tresh our exercise areas, clean water, and adequate nutrition. Temporary confinement is allowed Pete and Berry's Organic Eggs lunder certain circumstances such as severe weather NRCS can help producers implement livestock watering facilities and pipelines, windereak planting, altropastive and live stock shelter structures, composting facilities a labeling term for food or other agricultural products produced using cultural, biological, and mechanical practices that suppose the cycling and waste management plans to meet USDA organic requirements and protect soil and water quality from at on-formnesources, promote ecological balance, and conserve biodiversity animal waste in occordance with the USDA organic regulations 🧏 AS MORE CONSUMERS "GO ORGANIC", CAN ORGANIC POULTRY PRODUCERS KEEP UP WITH DEMAND? JESSE SAYS, YES! THE SECRET? FAMILY SCALE FARMS. 🗢

- where arimals one always there! Therest absenve. "Hourt have 40% more 40% more 40% more placed by morning come around. Plus, if you start beading how to mindle of summer, that's \$30 a a lot of people see cows eating grass and think this is easy, but it's not. There's a lot that goes MOVEABLE into making sure you're capturing as much solar WATER SOURCE energy as you can and converting it into grass: ADDITIONAL PADDOCKS GRASSFED CATTLE this is a moveable electric to CHERYL Farmer RAISING CATTLE ON GRASS DIVERSE PASTURE PLAN YOUR GRAZING SYSTEM PLANTINGS 1. number and size of crimals 2 amount and quality of forage -3. grazing time in each produck Diverse plantings on grazing lands provide livestock with a well-belonced, mutritious diet that 4. Dize and layout of poddocks 5 recovery and regrowth time (depends on season + quality of forage) 6 total acres recessary perpothern healthy Using season-specific plantings is also 7. set up moveable electric bence and water tube good for the entire ecosystem 8. evaluate and re-plan as needed Intensively managing the movement of animals from one paddock* to another to prevent overgrazing optimize the recovery and growth of pasture grasses and ensure pasture health meeting Place Pastures Comwell VI



Five Steps to NRCS Assistance

Here's what to expect:

1. PLANNING. NRCS technical assistance is free and voluntary. The first step is to visit your local field office and work with a conservationist on a conservation plan that meets the goals of your operation. Ask your conservationist if financial assistance is available to implement any the practices outlined in your conservation plan.

2. APPLICATION. NRCS can help you fill out the right forms for the application process. Applications for most programs are accepted on a continuous basis, but they're considered for funding in different ranking periods. Ask your local NRCS conservationist about the deadline for the ranking period to ensure you turn in your application in time. You can also apply for financial assistance and manage applications, contracts, and conservation plans online through the NRCS' Conservation Client Gateway.

3. ELIGIBILITY. To determine eligibility, you'll need an official tax ID (Social Security number or an employer ID). You'll also need a property deed or lease agreement to show you have control of the property. You'll also need a farm and tract number. If you don't have a farm and tract number, you can get one from USDA's Farm Service Agency (www.fsa.usda.gov). Typically, the local FSA office is located in the same building as the local NRCS office.

4. RANKING. The NRCS will take a look at the applications and rank them according to local resource concerns, the amount of conservation benefits the work will provide and the needs of applicants.

5. IMPLEMENTATION. If you're selected, your next step is to sign the contract. You'll then be provided standards and specifications for completing the practice or practices, and will have a specified amount of time to implement. Once the work is implemented and inspected, you'll be paid the rate of compensation for the work if it meets the NRCS standards and specifications.

For more information on how NRCS can help you, visit your local NRCS field office, or: www.nrcs.usda.gov/organic

For more information on the USDA National Organic Program, visit: www.usda.gov/organic



