

Organic Certification

It's Easier than you think!

Scott and Laura Murray Murray Farms, Inc.

Murray Farms, Inc.

- Organic Agriculture Consulting and Organic Inspection Services
- Scott has been an organic farmer for 46 years in California, Hawaii & Mexico
- Laura has been an Organic Inspector for 14 years after farming for 18 years
- We specialize in helping new growers become Organic and help them to maximize the utilization of their farm's assets. We work with growers to improve their organic practices and to add innovative crops.

Questions for the attendees...

- Please raise your hand to answer our questions – we would like to know a little bit about you...
- Are you a fruit grower? Which fruits are you growing?
- Are you a row crop grower? Which crops are you growing?
- Who is an Organic Grower?
- Who is interested in becoming an Organic Grower?
- What do you know about becoming Organic?

The NOP Rules:

The National Organic Program (NOP) is managed by the USDA for the Organic Industry.

There are over 30 third party accredited certification organizations that certify Organic Farms to the NOP standards.

You get to choose a certifier that meets your individual needs:

The screenshot shows the 'ACTIVITIES CHECKLIST FOR GROWERS' form, G1.0 version. The form is titled 'ACTIVITIES CHECKLIST FOR GROWERS' and 'G1.0'. It includes a header with 'NOPing 2015.221' and 'Electronic version available at www.nopof.org'. The form is divided into two main columns: 'Organic Activities' and 'Required OSP Section(s)'. The 'Organic Activities' column lists various activities, and the 'Required OSP Section(s)' column lists the corresponding sections of the Organic System Plan (OSP) that must be completed for each activity. The activities include: 'Applying for CCOF organic grower certification', 'Row crops', 'Seed, transplants, or planting stock', 'Low seedlings, transplants, planting stock, crops in containers, for crops in greenhouses', 'In manure or compost that contains manure', 'On the crop at harvest', 'On crops', 'In synthetic herbicides, insecticides or rodenticides where crop crops are stored', 'When simple post-harvest handling of only our own organic at our own facility/location', 'If non-organic and/or other operations' products directly to customers (CSA, farm stand, farmers' market, u-pick, website, etc.)', 'On crops in shrinkwrap or permeable packaging at one or more un-certified facilities that do not open, re-label, or process', 'Process products or perform post-harvest handling at one or more facilities I own or lease', 'Provide crop production services to a CCOF certified entity and act as my CCOF certified customer to manage my certification for others', 'Market other independently certified facilities to produce or sell products', 'Participating in the CCOF Global Market Access Program and export organic products', 'Applying for certification of livestock', and 'Applying for certification of wild crops'. The 'Required OSP Section(s)' column lists the corresponding sections of the Organic System Plan (OSP) that must be completed for each activity, such as 'CCOF Certification Application', 'G1.0: Activities Checklist for Growers (this form)', 'Parcel Application (for each parcel)', 'Grower Materials Application (OSP Materials List)', 'G4.0: Soil Management', 'G4.2: Natural Resources', 'G5.0: Pest Management', 'G6.0: Production', 'G7.0: Labeling', 'G8.0: Record Keeping', 'G3.0: Seeds and Planting Stock', 'G3.1: Seedlings, Transplants, Container Production, Greenhouse Production', 'G4.1: Compost and Manure', 'G6.1: Harvest & Transport', 'G8.1: Storage', 'G6.3: Synthetic Pesticides in Storage', 'G6.4: Simple On-Farm Post Harvest Handling', 'G6.5: Direct Marketing', 'Uncertified Handler Affidavit (for each un-certified storage facility)', 'H1.0: Activities Checklist for Handlers', 'Complete applicable forms as directed', 'Contract Partner Program Application (Optional)', 'G6.1: Harvest & Transport', 'Global Market Access Program Application', 'L1.0: Activities Checklist for Livestock Producers', 'Complete applicable forms as directed', 'W1.0 and W2.0: Wild Crop OSP', and 'Complete applicable forms as directed'. The form also includes a footer with 'NPS 08/09/2017' and 'Page 1 of 1'.

Organic Activities	Required OSP Section(s)
Applying for CCOF organic grower certification.	CCOF Certification Application
Row crops.	G1.0: Activities Checklist for Growers (this form) Parcel Application (for each parcel) Grower Materials Application (OSP Materials List) G4.0: Soil Management G4.2: Natural Resources G5.0: Pest Management G6.0: Production G7.0: Labeling G8.0: Record Keeping
Seed, transplants, or planting stock.	G3.0: Seeds and Planting Stock
Low seedlings, transplants, planting stock, crops in containers, for crops in greenhouses.	G3.1: Seedlings, Transplants, Container Production, Greenhouse Production
In manure or compost that contains manure.	G4.1: Compost and Manure
On the crop at harvest.	G6.1: Harvest & Transport
On crops.	G8.1: Storage
In synthetic herbicides, insecticides or rodenticides where crop crops are stored.	G6.3: Synthetic Pesticides in Storage
When simple post-harvest handling of only our own organic at our own facility/location.	G6.4: Simple On-Farm Post Harvest Handling
If non-organic and/or other operations' products directly to customers (CSA, farm stand, farmers' market, u-pick, website, etc.)	G6.5: Direct Marketing
On crops in shrinkwrap or permeable packaging at one or more un-certified facilities that do not open, re-label, or process.	Uncertified Handler Affidavit (for each un-certified storage facility)
Process products or perform post-harvest handling at one or more facilities I own or lease.	H1.0: Activities Checklist for Handlers Complete applicable forms as directed
Provide crop production services to a CCOF certified entity and act as my CCOF certified customer to manage my certification for others.	Contract Partner Program Application (Optional)
Market other independently certified facilities to produce or sell products.	G6.1: Harvest & Transport
Participating in the CCOF Global Market Access Program and export organic products.	Global Market Access Program Application
Applying for certification of livestock.	L1.0: Activities Checklist for Livestock Producers Complete applicable forms as directed
Applying for certification of wild crops.	W1.0 and W2.0: Wild Crop OSP Complete applicable forms as directed



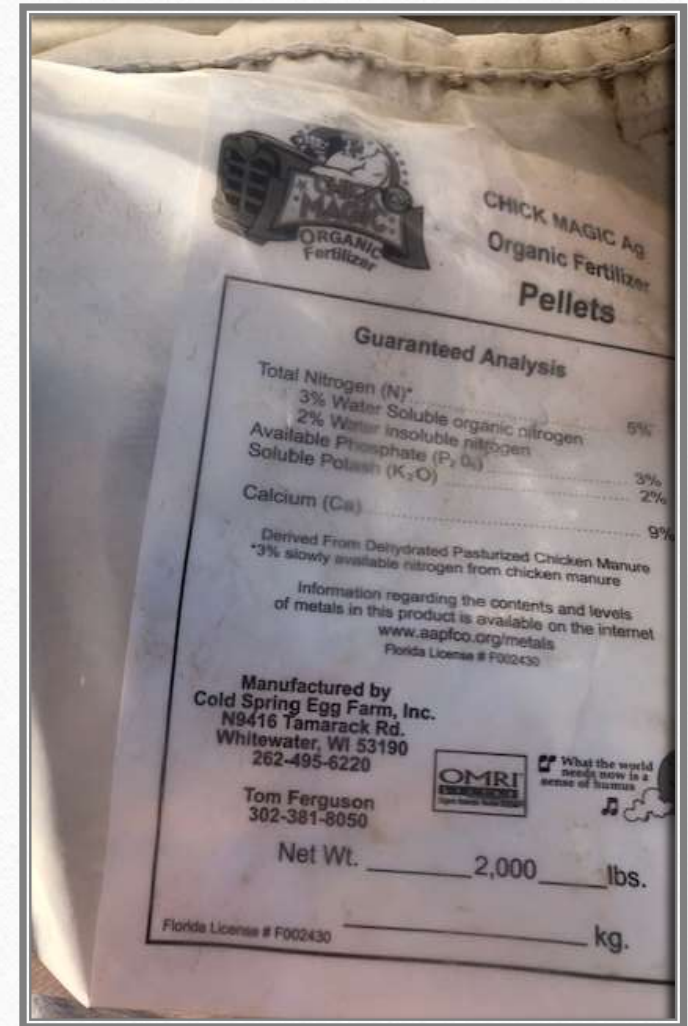
The word ORGANIC is regulated by use rules:

- If you package your product for sale off of the farm you must use an approved label to inform the public about your product.
- The Label requires several components such as the farm name, with the certifier name under the address panel.
- You must list a certifier if you say Organic. The USDA and Certifier Logos can also be included on your label.

Allowed Organic Materials:

All of the inputs that you apply on an Organic Farm must be reviewed and approved for use on an Organic Farm! This helps to protect your certification.

You must keep detailed records of all inputs that you purchase.
OMRI and WSDA review materials for the industry.



Details of Materials Allowed for Organic Production vs Prohibited Materials:

CCOF Organic System Plan (NOP) - Materials List
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This is a list of all materials approved by CCOF for your production or processing of organic products. Login to MyCCOF www.ccof.org/myccof to add and delete materials from your list and to search our extensive database of reviewed materials, including all OMRI, WSDA, and CCOF reviewed materials. You may request review of materials that are not in our database or request updates to this list by emailing inbox@ccof.org or by contacting your Certification Service Specialist, Dana Ford, at dfford@ccof.org or 831-348-8333.

Crop Fertilizers and Soil Amendments - Approved

Input/Material	Manufacturer	Approved on:	Material use: Status, Restrictions & Comments
Azomite® Field Grade Natural Trace Minerals For Soil 0-0-0-2	AZOMITE Mineral Products, Inc.	12/07/16	USDA NOP: Allowed - OMRI listed
Actec Horticultural Perlite	Actec perlite Company	12/07/16	USDA NOP: Allowed - CCOF reviewed
Bedding Mulch	Agri Service, Inc.	04/24/17	USDA NOP: Allowed - CCOF reviewed
Dr. Earth Acid Lovers Azalea, Camellia, Rhododendron & Maple Fertilizer 5-4-3	Dr. Earth Co.	12/07/16	USDA NOP: Allowed - OMRI listed
Dr. Earth Home Grown Tomato, Vegetable & Herb Fertilizer 4-5-3	Dr. Earth Co.	12/07/16	USDA NOP: Allowed - OMRI listed
Dr. Earth Natural Wonder Fruit Tree Fertilizer 5-5-2	Dr. Earth Co.	07/09/19	USDA NOP: Allowed - OMRI listed
E 2 Green® Organic Fertilizer	Emerald Plains, Inc.	07/11/17	USDA NOP: Allowed - OMRI listed
Everloom	El Comatin Composting Facility	01/02/17	USDA NOP: Allowed - CCOF reviewed
Gardner & Bloome G&B Organic Citrus & Fruit Tree Fertilizer 5-4-2	Kellogg Garden Products	06/25/18	USDA NOP: Allowed - OMRI listed
Gardner & Bloome G&B Organic Palm, Tropical & Hibiscus Fertilizer 4-5-4	Kellogg Garden Products	07/09/19	USDA NOP: Allowed - OMRI listed
Gardner & Bloome G&B Organic Rose & Flower Fertilizer 4-5-2	Kellogg Garden Products	07/09/19	USDA NOP: Allowed - OMRI listed
Gardner & Bloome G&B Organic Tomato, Vegetable & Herb Fertilizer 4-5-3	Kellogg Garden Products	06/25/18	USDA NOP: Allowed - OMRI listed

Approval by CCOF of a material for this operation is not an approval of the material in general and does not allow the commercial use of CCOF's name or seal in association with the material or manufacturer.

- Allowed materials for Organic Production are reviewed to make sure they meet the rules of Organic Production set by the NOP.
- No Synthetic materials, No GMO materials, No sewage sludge, No Irradiation
- Look for the OMRI or the WSDA symbols. Most suppliers are familiar with these materials.



Natural Resources and Biodiversity:

The Rodale Institute has conducted a 44 year side by side study of Conventional production with Organic Production. The organic fields have a very biodiverse environment that supports beneficial insects and pollinators and has a mix of native species and animals.



Organic production has been proven to produce similar crops to Conventional:

In this 44 year to date study they have found no significant difference in production yields in good rain years. In Drought years the Conventional yield would drop up to 80% and the Organic yield would drop 20% due to organic matter built up in the soil.

Required Record Keeping for Organic:

- Input Application records can be as simple as an entry on a calendar or a complex spreadsheet
- Keep and organize all receipts for Inputs purchased for the farm
- Sales Records, tie to Harvest Records which should identify the area picked
- Natural resources observations and improvement actions
- Records are the key to showing your organic practices and materials

Your Organic System Plan (OSP)

- The Organic System Plan is the basic building block of creating an organic farming operation.
- Seed/Transplants/Planting stock Greenhouse & Transplant Growing
- Soil Fertility building practices, Compost production or purchase and other input application
- Pest Control on the farm and in the packing shed – Practices before materials
- A good farm map shows production areas and neighboring activities

Record Keeping is the key:

- Harvest, packing and shipping records
- Invoices with Organic listed for each certified item
- Certification Costs, Application fee, Inspection Fees and USDA Cost Share
- California Organic Registration is a separate program that all California Organic growers are required to participate in and are sometimes required to be State inspected.



Try new cropping systems such as High Density Avocado plantings

These avocado trees are planted as a High Density spacing of 6 feet apart...



Try something new to stay ahead of the market place

This is a photo of the 2015 interplanting of Coffee into a stumped and pruned growing system with 50 year old avocado trees.

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Organic Farming Consulting Services

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Organic Certification, Farm Design and Management, Coffee and
Avocado High Density Planting, Conservation & Natural Resources

