

## AGRISECURE – ORGANIC INPUTS GUIDE

November 2018

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**PRE-PURCHASE CHECKLIST** – There are many things to remember prior to using organic approved inputs. Here are a few reminders:

1. Check all documentation prior to use.
2. Review OMRI and WSDA certificates when possible and seek approval from your certifier via your OSP and Approved Input List prior to use as well.
3. Products need to be used as registered.
4. Just because it is OMRI or WSDA approved doesn't mean you can use the product however you want. You must follow all restrictions.
5. Advance approval can be sought out and granted on products that do not have an OMRI or WSDA certificate, but make sure to get approval from your certifier in advance.
6. Save all documentation!

This list is not comprehensive but is meant to be an introductory list to navigate the world of organic inputs. Always download a new version, as updates will be made from time-to-time.

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### STARTERS, SEED TREATMENTS & INOCULANTS

- **[1R Seed Treatment](#)** (Soil Biotics) – This is a common seed treatment that many seed companies use to treat non-gmo and/or organic seeds. This is a humic acid seed treatment derived from leonhardite and is compatible with many other seed treatments and be used on a variety of different seeds (including corn). OMRI approved.
- **[Dakota REV](#)** – (Dakota) REV is an all-natural plant-based humus that can be applied in-furrow, as a seed treatment, or directly onto the plant. REV is also an organic growth stimulant that serves as a carrier for micronutrients. REV helps to boost plant health and promotes root growth and may also enhance seed germination. REV can also help alleviate soil salinity problems, serve as an adjuvant for tank mix, and help stabilize your soil to make your fertility more available throughout the growing season. OMRI approved.
- **[L-CBF Terrafed](#)** – (Quality Liquid Feed) – L-CBF (Liquid Carbon-Based Fertilizer) is comprised of Sugar Cane Molasses. It contains natural Nitrogen, Potassium, and some micronutrients. Product Benefits can include improved nutrient availability, enhanced root development, and enhanced biological function. It can be used in-furrow, broadcast, banded 2x2, or via foliar application. OMRI listed.

- **Condor Trichoderma** – (Italpollina) Condor is a Micronized powder consisting of Trichoderma atroviride (Italpollina strain). The selected strain differs from others for the great adaptability to environment and especially for the great reproducibility. This means a quicker action due to its ability to live in soils occupying the rhizosphere and colonizing the roots. It can be used as a microbial inoculant of seed. OMRI approved.
- **Trainer** – (Italpollina). Trainer is a liquid organic fertilizer based on 100% vegetal amino acids and peptides. The combined presence of organic nitrogen and vegetal amino acids is helpful for plant development and aids in overcoming climatic stress situations. This can be used in furrow as a starter fertilizer. OMRI approved.
- **TerraMax Green Liquid Inoculant– Peas / Lentils /Hairy Vetch:** (TerraMax). This is an inoculant consisting of Rhizobium legumin Sarum spp and Azospirillum Brasiliense. It is specifically formatted to be used for Peas / Lentils / Hairy Vetch. The bacteria penetrates the root, resulting in the formation of root nodules that fix nitrogen from the air and make it readily available to the plant. As with all inputs, this needs pre-approval. This is not officially OMRI approved, but has been accepted by certifiers in the past to be used. Please verify in advance.
- **MicroNoc:** (SONO Ag) This is a dry seed treatment that has multiple strains of rhizobium, bacillus, and azotobacterial with a combination of necessary microorganisms in a humate powder. Proper amounts of nutrients available to the seed at the time of germination allows for maximum growth and crop production. It is "The inoculant for all planting seeds". OMRI approved.

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## DEFENSIVES - FUNGICIDE

- **Regalia RX** (Marrone Bio Innovations) Bio-Fungicide: Group p5 – bio fungicide. Derived from a plant extract and is for use on row crops and small grains. Helps to protect treated portions from certain plant diseases by strengthening the plant cell wall and will improve plant health. Apply prior to disease infestation to protect the growing leaf tissue. Can be used in multiple application methods to control or suppress certain soil-borne or foliar diseases and to promote healthy plant growth. See label for specific information on diseases controlled and use rates. OMRI approved.
- **Procidic** – (Greenspire Global Inc) Bactericide + Fungicide, works systemically, No Re-Entry Interval Required (0-hr REI), Works on Contact and Residual Action. See label for specific information on diseases controlled and use rates. WSDA approved.
- **Jet Ag** – (Jet Harvest Solutions) Fungicide + Bactericide + Algacide. To prevent, suppress, or eliminate fungi, bacteria and algae. If disease is present multiple applications will more than likely will be necessary. This is a low cost / ap. Essentially it sanitizes the field as it is like hydrogen peroxide. OMRI approved.
- **NuCop HB** – (Albaugh LLC) Copper Hydroxide is used as a fungicide/bactericide. Copper is a metal that, in dissolved form, penetrates plant tissues and helps control fungal diseases. It works to kill pathogen cells by denaturing enzymes and other critical proteins. When sprayed on plant leaves it will dry and then will release copper ions in small amounts every time the leaf is wetted. OMRI approved.

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## DEFINSIVES - INSECTIDE

- **PyGanic:** Group 3A - Organic Insecticide. On contact knockdown of insects. Botanically derived. No Pre-Harvest Interval (PHI). Controls broad-spectrum of insects - over 100 insects. Multiple applications might be necessary due to timing during lifecycle of insects. Available in 2 different concentrations.
- **Venerate XC:** (Marrone Bio Innovations) is a bioinsecticides that can be used on row crops (including corn / soybeans), oil seed crops, and cereal grains. It features multiple modes of action and is effective against a wide variety of chewing and sucking insects and mites yet are easy on beneficials. Their unique modes of action will complement and improve integrated pest management and insect resistance management programs. Please check label for exact pests. OMRI approved.
- **PermaGuard Crawling Insect Control** – (PermaGuard) Diatomaceous Earth. Good for controlling insects within Grain Bins. This product is a ready-to-use insecticide – typically takes 48 hours to work.
- **Prowl 3** – (Bio Huma Netics): insecticide, miticide, and fungicide: On contact with some local systemic activity. It has limited residual control product and repeat treatments could be necessary. This has a 0 Pre-Harvest Interval (PHI). It controls a variety of pests and diseases. See label for specifics. OMRI approved.

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## DEFINSIVES – HERBICIDE

- **Suppress EC:** (Westbridge Agricultural Products) is a broad-spectrum contact herbicide for post-emergent, non-selective weed control for use in and around all agricultural food and non-food crops. The proprietary formulation is a non-volatile, emulsifiable concentrate that provides rapid, effective control for various weeds. OMRI approved. Please read the OMRI certificate restrictions and as always, get pre-approval by your certifier prior to use.
- **Weed Slayer:** (Agro Research International LLC) – Controls grass and weeds naturally. This is also a non-selective weed controller. It is a 2-part mixture that consists of an essential oil and a bio surfactant. WSDA approved. Please read the certificate restrictions and as always, get pre-approval by your certifier prior to use.

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## NUTRITIONALS

- **FertilGold Line of Foliars + Fulvic Acid:** (Bio Huma Netics) Various Micronutrients are available Mn, Ca, Fe, Mg, etc... that are combined with Fulvic Acid. To be applied Foliarly. Please verify restrictions prior to use and as always, get pre-approval by your certifier.
- **Solubor:** (20 Mule Team): 20.5% Sodium Borate. Low Cost Source of Boron. In a dissolvable power form. Please verify restrictions prior to use and as always, get pre-approval by your certifier.

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## OTHERS

- **BioLink Acidifier:** (Westbridge Agricultural Products) is a buffering agent specially designed for lowering the pH of water. It contains high concentrations of citric acid. The optimum pH of water in spray situations is between 5.3-6.0, and citric acid is ideal as an acidifier for reducing the ph. WSDA approved.
- **Equipment and Tank Cleaner:** (Rosen's Inc) – This is cleaner that is designed for cleaning tanks, lines, and nozzles to remove residues left from pesticides, herbicides and fertilizers. This is not an OMRI approved product, but it is rare to find a cleaner that is OMRI approved. Cleaners are necessary and getting one approved in advance by your certifier is important.