

# **Earthwise Organics, Inc.**

## **AGRICULTURE PRODUCT LIST – February 2022**

To Our Customers:

**It's a new year and a whole new set of challenges.** The craziness of Covid continues with product shortages, labor shortages, inflation, and shipping delays. Higher prices for farm goods do at least offset some of these challenges. And as always, for those able to adapt and overcome challenges - opportunity knocks.

For those in the **organic/biological/sustainable sector of agriculture**, the good news is that **prices for inputs have not risen as fast as conventional NPK and some other conventional inputs**. Organic water soluble Nitrate has risen significantly, but other organic NPK sources (like compost, chicken manure, etc) have only risen slightly or remained flat. Biological soil amendments and plant protection products have only risen slightly for the most part. Botanical product price increases have been more uneven - some products have increased 10% or so since last year, others up to 40%. Using products wisely and systematically has probably never been more important! Earthwise has detailed "**organic growing plan**" templates available for various crops upon request. These plans include recommended rates, timings, and products for crops - covering preplant all the way through to post harvest. Detailed information on the **products** recommended on these templates is available on our [website](#) or give us a call - we are happy to explain how our recommended "system" can enhance the efficiency of your crop production program.

Earthwise is proud to be able to continue its mission to serve farmers (and other growers) of all sizes and categories - from row crops to vegetables and beyond! Or as we like to say, "**everything from Alfalfa to Zucchini**"! The effort to fulfill this "mission" requires us to handle and stock a *very* wide variety of products (180+) in this catalog! Stocking a wide variety of products allows us to *respond quickly* to the needs of customers of any size, always helpful, but especially important when it comes to plant protection. It also makes it possible to serve our smaller customers more efficiently - they can pick up a few bags of various products and combine them on a pallet for a significant savings in product and shipping costs. And for larger growers our varied product line and expanded "direct ship" options are an important money and time saver. With our customer base growing across the U.S., additional shipping options help with product costs, freight costs, and very importantly - transit times.

**Housekeeping** - Please note that we have **2 catalog indexes**, located in the **front pages of the catalog**. The indexes match manufacturers and products with catalog page numbers. Both manufacturers and product names are in alphabetical order – just find the name and look for the page number to the left. This makes it easier to quickly find the products you need. And remember that all of our products are also searchable on our [website](#). **The search box for our website is at the far right of the main menu line on each page.** And you don't want to neglect the **Clearance Page** where we discount overstocked and/or discontinued items - it never hurts to take a look in the "bargain bin" - you might find just what you've been looking for at a price you can't pass up!

Earthwise Organics has been in business since 1996, supplying soil and plant friendly fertility materials to a wide variety of customers in the agricultural and horticultural industries. **A lot has changed over those years! A very positive change is the amount of general and detailed information we can provide to our customers through our website.** This has opened up lots of new possibilities for communication with *you*, our customer. You have the option to access our expertise and pricing at a time and place most convenient for you. But we also know that there are many times when a text, email or phone call is the best way to get things done - we are certainly available for those conversations as well.

We would like to thank all our customers for the opportunity to compete for your business. These first 25 years have been challenging, informative and rewarding, who knows what the next 25 will bring?!

Thomas Harr, President

### **Important note about our catalog and the NOP rules!**

Products in the catalog with a superscript <sup>o</sup> (organic) next to them are **generally** acceptable for "Organic" production. The superscript <sup>OR</sup> (organic restricted) indicates "Organic", but with some sort of restriction on its use. **According to NOP rules, the farmer/producer is always ultimately responsible for the products used in "Certified Organic" production.** The farmer/producer should always check with his or her certifier before using any product for the first time in a "USDA Certified Organic" operation.

#### **OFFICE:**

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**Don't forget to check out our website for product info and much more: <https://earthwiseagriculture.net>**

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	<i>Pkg Size</i>	<i>Qty Available</i>	<i>List Price</i>	<i>Clearance Price</i>	<i>Unit</i>
<b>Albion</b>					
N-P-K Liquid (not organic)	2.5 gal jug	25 gal	\$36.25	\$30.00	/gal
<b>Bayer</b>					
Serenade ASO	2.5 gal jug	30 gal	\$38.00	\$25.00	/gal
<b>Brandt/Monterey</b>					
CMR Adjuvant	2.5 gal jug	5 gal	\$16.00	\$5.00	/gal
Ag Aide	1 gal jug	50 gal	\$115.00	\$75.00	/gal
<b>Certis</b>					
Carb-O-Nator	5 lb bag	110 lb	\$10.00	\$8.00	/lb
<b>Diamond K</b>					
Aqua Drive	2.5 gal jug	70 gal	\$43.50	\$40.00	/gal
<b>DPH Biologicals</b>					
Pillar Liquid Micronutrient	2.5 gal jug	5 gal	\$5.25	\$3.00	/gal
	275 gal tote	275 gal		\$2.50	/gal
<b>International Sulfur</b>					
Yellow Jacket Flowable Sulfur	2.5 gal jug	80 gal	\$14.50	\$8.00	/gal
<b>JH Biotech</b>					
Fosphite	1 gal jug	30 gal	\$30.00	\$25.00	/gal
	2.5 gal jug				
<b>Natural Resources Group</b>					
Power K Humic Acid	25 lb bucket	325 lb	\$7.00	\$5.50	/lb
<b>Terramera</b>					
Neem Oil	55 gal drum	165 gal	\$32.00	\$15.00	/gal
<b>U.S. Borax</b>					
Fertibor	50 lb bag	50 lb	\$1.35	\$0.85	/lb

# Soil Amendments

*Promoting Soil Structure, Nutrient Cycling, Internal Drainage, and Beneficial Biological Activity*

## **HUMATES, HUMIC ACIDS, AND FULVIC ACIDS**

Soil-building, carbonaceous materials which promote balanced fertility, microbiological diversity, soil tilth, salt buffering, and increased water-holding capacity.

### **Ferti-Organic**

#### **°SOLUBLE HUMIC ACID**

Soluble Powder

60% Humic Acid; 7% Potash

For use in the soil or as foliar adjuvant

**-- FOB EO Warehouse, Texas --**

50+ lb	\$5.00 /lb
250+ lb	\$4.60 /lb
1000+ lb	\$4.25 /lb
Pallet (50 lb bags)	\$3.90 /lb

*Larger Quantities - Call for quote*

### **Ferti-Organic**

#### **°FULVIC PLUS**

Soluble Powder, 90% Fulvic Acid

For use in the soil or as foliar adjuvant

**-- FOB EO Warehouse, Texas --**

50+ lb	\$5.45 /lb
250+ lb	\$5.00 /lb
1000+ lb	\$4.60 /lb
Pallet (50 lb bags)	\$4.30 /lb

*Larger Quantities - Call for quote*

### **JH Biotech**

#### **°FULMAX**

3% Fulvic Acid

For use in the soil or as foliar adjuvant

**-- FOB EO Warehouse, Texas --**

2.5+ gal	\$19.00 /gal
5+ gal	\$18.25 /gal
20+ gal	\$17.50 /gal
80+ gal	\$17.00 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$16.65 /gal
80+ gal	\$16.25 /gal
Pallet (180 gal)	\$14.00 /gal

*Larger Quantities - Call for quote*

### **LignoTech USA**

#### **°BORREGRO HA-2**

Concentrated, 15% Liquid Humic Acid

**Direct Ship Only**

**-- FOB Mfr, WI --**

Pallet Tank	\$6.75 /gal
1000+ gal (in totes)	\$6.40 /gal

*Larger Quantities - Call for quote*

### **JC Smith Co.**

#### **°LIQUID HUMATE**

Concentrated, 16% Liquid Humic Acid

**Direct Ship Only**

**-- FOB Mfr, TX --**

Pallet Tank	\$7.40 /gal
1000+ gal (in totes)	\$7.00 /gal

*Larger Quantities - Call for quote*

### **NRG**

#### **°POWER K HUMIC ACID**

Soluble Powder

55% Humic, 30% Fulvic

For use in the soil or as foliar adjuvant

**-- FOB EO Warehouse, Texas --**

**Clearance Price**

**on In-Stock Inventory**

400 lb available @	\$6.00 /lb
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*See Clearance page for more info*

**-- FOB Mfr, CA --**

25+ lb	\$8.45 /lb
50+ lb	\$6.50 /lb
250+ lb	\$6.25 /lb
1000+ lb	\$5.25 /lb
Pallet (50 lb bags)	\$5.00 /lb

*Larger Quantities - Call for quote*

### **Mesa Verde**

#### **°MV SOLUBLE POWDER**

80% Humic Acid - Water Soluble

2200 lb pallet makes 1300+ gal

15% Humic Acid Solution

**Direct Ship Only**

**-- FOB Mfr, NM --**

Pallet (55 lb bags)	\$2.85 /lb
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*Larger Quantities - Call for quote*

### **Mesa Verde**

#### **°DRY HUMATES**

Natural deposit out of New Mexico.

Reduces compaction, Improves soil tilth and nutrient holding capacity.

Stimulates soil microbial life.

Aids in sodium buffering.

#### **AG GRADE (-1/4" Chip)**

**Direct Ship Only**

**-- FOB Mfr, NM --**

Pallet (50 lb bags)	\$0.24 /lb
2000 lb Super Bag	\$0.19 /lb
3+ Super Bags	\$0.18 /lb

*Larger Quantities - Call for quote*

#### **GREENS GRADE (1-2 mm)**

**Direct Ship Only**

**-- FOB Mfr, NM --**

Pallet (50 lb bags)	\$0.32 /lb
2000 lb Super Bag	\$0.27 /lb
3+ Super Bags	\$0.25 /lb

*Larger Quantities - Call for quote*

### **Additional Mesa Verde Humate Products**

Available

See Website Notes for more info

Custom Screening and  
Various Particle Sizes Possible

**Direct Ship Pallet Quantities Only -**

**-- FOB Mfr, NM --**

### **JH Biotech**

#### **°HUMAX**

12% Humic Acid

For use in the soil or as foliar adjuvant

**-- FOB EO Warehouse, Texas --**

2.5+ gal	\$12.00 /gal
5+ gal	\$11.50 /gal
20+ gal	\$11.00 /gal
80+ gal	\$10.50 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$10.00 /gal
80+ gal	\$9.75 /gal
Pallet (180 gal)	\$8.00 /gal

*Larger Quantities - Call for quote*



# Soil Amendments

*Promoting Soil Structure, Nutrient Cycling, Internal Drainage, and Beneficial Biological Activity*

## MICROBES AND

### MICROBIAL FOOD SOURCES

Microbial treatments and food sources for soil application can significantly improve yield and quality in most crops.

Earthwise strives to represent the most agronomically efficient of the many microbial products currently produced.

#### **DPH Biologicals**

##### **oSP-1**

#### Microbial Inoculant

Stable liquid microbial formula.

Supplies and stimulates diverse soil microbial life.

Improves soil tilth and health.

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$18.00 /gal
5+ gal	\$16.00 /gal
20+ gal	\$15.00 /gal

**-- FOB Mfr, IL --**

20+ gal	\$13.25 /gal
80+ gal	\$12.50 /gal
Drum - 30 gal	\$11.25 /gal
Pallet Tank	\$9.50 /gal
1000 gal (in totes)	\$9.25 /gal

*Larger Quantities - Call for quote*

#### **DPH Biologicals**

##### **oMVP**

#### Microbial Inoculant

Stable liquid microbial formula.

Supplies and stimulates diverse soil microbial life.

Improves soil tilth and health.

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$15.00 /gal
5+ gal	\$13.50 /gal
20+ gal	\$12.50 /gal
Drum - 30 gal	\$11.00 /gal

**-- FOB Mfr, IL --**

20+ gal	\$10.50 /gal
80+ gal	\$10.00 /gal
Drum - 30 gal	\$9.00 /gal
Pallet Tank	\$7.00 /gal
1000 gal (in totes)	\$6.75 /gal

*Larger Quantities - Call for quote*

## **NRG**

### OR **NATURE'S SOLUTION**

#### Liquid Mineral Complex

Stimulates microbial activity, rooting, and plant vigor.

Derived from microbially digested chicken manure solution

**-- FOB EO Warehouse, Texas --**

Pallet Tank	\$3.95 /gal
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**-- FOB Mfr, CA --**

Pallet Tank	\$2.60 /gal
1100 gal (in totes)	\$2.45 /gal

*Larger Quantities - Call for quote*

#### **Nature's Source**

### **oPLANT PROBIOTIC**

#### Biofertilizer

#### Live Beneficial Bacteria

Increases beneficial biological activity and enhances nutrient cycling, root architecture, and soil structure

**Direct Ship Only**

**-- FOB Mfr, TX --**

5+ lb	\$74.00 /lb
20+ lb	\$68.50 /lb
80+ lb	\$65.00 /lb

*Larger Quantities - Call for quote*

## **Westway**

### **oMOLASSES**

#### Soil Energy Amendment

Molasses can be used to stimulate soil microbial life. It can also be used as a foliar or soil amendment in higher amounts to slow the growth of the plant temporarily by tying up excess nitrogen

1 ton of molasses

will equal about 170 gallons.

*Each Pallet Tank will contain about 1.5 tons.*

**Direct Ship Only**

**-- FOB Mfr, TX, TN, etc --**

Pallet Tank	\$480.00 /ton
4 Pallet Tanks	\$460.00 /ton
Bulk Truckload	<b>Quote /ton</b>

*Larger Quantities - Call for quote*

## **Organic Residue or**

### **Organic Matter?**

*A bumper harvest of leftover residue at planting time can be a real problem.*

*This situation can occur following a good corn crop, cover crop, or a rapid succession of vegetable plantings.*

*Yet, having abundant*

**Organic Residue** to return to the soil

*is normally greatly desired by the*

*biological farmer. Under the right*

*conditions, this **Organic Residue** will*

*break down to form the more stable*

**Organic Matter** which is so important

*to a fertile soil. But under the wrong*

*conditions it may be easily converted*

*to carbon dioxide and be lost to the atmosphere. That's a problem.*

**Residue WS** (see below)

*is one answer - formulated to*

**quickly and efficiently break down**

**organic residue into organic matter**

**and incorporate it into the soil.**

## **DPH Biologicals**

### **oRESIDUE WS**

#### Fungal Decay Organisms

Facilitates rapid, comprehensive, and nutrient-efficient breakdown of crops, manure, and pesticide residues through use of selected fungal micro-organisms.

*Usage Rates: 1 - 3 oz/ acre*

**Direct Ship Only**

**-- FOB Mfr, IL --**

1+ lb	\$135.00 /lb
5+ lb	\$115.00 /lb
10+ lb	\$100.00 /lb
30+ lb	\$96.00 /lb

*Larger Quantities - Call for quote*

**Prices Subject to Change - All Orders Subject to Shipping Charges**

# Soil Amendments

*Promoting Soil Structure, Nutrient Cycling, Internal Drainage, and Beneficial Biological Activity*

## MICROBES AND MICROBIAL

### FOOD SOURCES

(cont)

*NRG Activate Series of organisms listed on this page have been shown to work most effectively **when applied into a 'rich' soil with readily available organic food sources along with NRG's proprietary food source: Wake-Up Organo.***

*These **Activate** species are selected for their **individual characteristics** and can be **combined as appropriate** to achieve desired results in a given crop and soil setting while creating synergistic effects benefitting overall soil health.*

## **NRG**

### **◦WAKE-UP ORGANO**

#### Soluble Microbial Food

A proprietary rhizosphere-friendly blend of soluble nutrients. Stimulates rapid germination of Bacillus bacteria spores into active, growing cells.

Manufacturer recommended food source for all **Activate** Microbes

**Direct Ship Only**  
**-- FOB Mfr, CA --**

30+ lb	\$16.00 /lb
150+ lb	\$15.00 /lb

*Larger Quantities - Call for quote*

## **NRG**

### **◦ACTIVATE SERIES**

#### **WATER SOLUBLE MICROBES**

#### **INDIVIDUAL BACTERIA SPECIES AND BLENDS**

##### **◦ACTIVATE - PMSLA**

B. pumilis, B. megaterium  
B. subtilis, B. licheniformis and  
B. amyloliquefaciens

5 bacillus species blend of bacteria spores. Improves soil nutrient recycling and maintains a healthy root environment.

##### **◦ACTIVATE - NF**

B. megaterium, B. subtilis,  
B. licheniformis and B. sp.

4 bacillus species blend of Nitrogen-fixing bacteria spores  
These free living and root colonizing organisms fix soil nitrogen from the atmosphere

##### **◦ACTIVATE - A1005**

Bacillus Subtilis

##### **◦ACTIVATE - A2004**

Bacillus parabrevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens

##### **◦ACTIVATE - A2005**

Bacillus brevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens.

#### **Direct Ship Only**

**-- FOB Mfr, CA --**

10+ lb	\$350.00 /lb
30+ lb	\$300.00 /lb
150+ lb	\$193.75 /lb

*Larger Quantities - Call for quote*

## **NRG**

### **◦ACTIVATE SERIES**

#### **WATER SOLUBLE MICROBES**

#### **COMBINED WITH**

#### **WAKEUP ORGANO (WUO)**

#### **INDIVIDUAL BACTERIA SPECIES AND BLENDS**

MIXED WITH PROPRIETARY  
SOLUBLE FOOD SOURCES

##### **◦ACTIVATE PMSLA + WUO**

5 bacillus species blend of  
bacteria spores

##### **◦ACTIVATE NF + WUO**

4 bacillus species blend of  
bacteria spores

##### **◦ACTIVATE - A1005 + WUO**

Bacillus Subtilis

##### **◦ACTIVATE - A2004 + WUO**

Bacillus parabrevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens

##### **◦ACTIVATE - A2005 + WUO**

Bacillus brevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens.

**-- FOB EO Warehouse, Texas --**

1 lb (pkg)	\$50.00 /lb
5.3 lb (bucket)	\$43.00 /lb

#### **Direct Ship Only**

**-- FOB Mfr, CA --**

5.3 lb (bucket)	\$41.00 /lb
31.8 lb (bucket)	\$34.00 /lb
159 lb (5 buckets)	\$31.50 /lb
1000+ lb	\$29.50 /lb

*Larger Quantities - Call for quote*

# Soil Amendments

Promoting Soil Structure, Nutrient Cycling, Internal Drainage, and Beneficial Biological Activity

## WETTING AGENTS AND SURFACTANTS

Surfactants and/or wetting agents can help improve the permeability of a compacted soil, allowing for increased water and air movement, which are a prerequisite for optimal growth and health of plants and beneficial microorganisms.

### **Diamond K AQUA DRIVE**

A non-ionic surfactant additive designed to improve soil wetting and penetration of treated irrigation water. It reduces the surface tension of water by as much as 60%, allowing water to flow in a more effective and complete pattern through the soil profile.

**Not allowed for Organic Use**

-- FOB EO Warehouse, Texas

**Clearance Pricing  
on In-Stock Inventory**

70 gal available @ \$40.00 /gal

See Clearance page for more info

-- FOB Mfr, UT --

Pallet (180 gal) \$42.00 /gal

Pallet Tank \$39.00 /gal

Larger Quantities - Call for quote

### **JH Biotech MIXWELL**

40.0%

B-Hydroxytricarballic acid

Improves soil characteristics by lowering the pH of alkaline (high pH) soil.

-- FOB EO Warehouse, Texas --

2.5 gal \$20.50 /gal

5+ gal \$19.00 /gal

20+ gal \$18.50 /gal

80+ gal \$17.75 /gal

-- FOB Mfr, TX / CA / FL --

20+ gal \$17.75 /gal

80+ gal \$17.00 /gal

Pallet (180 gal) \$15.00 /gal

Larger Quantities - Call for quote

### **JH Biotech NATURAL WET**

Contains Saponins  
derived from Yucca Plants

10% Yucca compounds  
Facilitates nutrient & water absorption

-- FOB EO Warehouse, Texas --

2.5 gal \$22.00 /gal

5+ gal case \$20.50 /gal

20+ gal \$19.25 /gal

80+ gal \$18.50 /gal

-- FOB Mfr, TX / CA / FL --

20+ gal \$18.50 /gal

80+ gal \$17.75 /gal

Pallet (180 gal) \$16.25 /gal

Larger Quantities - Call for quote

### **Brandt Organics AG-AIDE**

Yucca Extract

100% Yucca  
Natural, non-ionic surfactant

**Clearance Pricing  
on In-Stock Inventory**

55 gal available @ \$75.00 /gal

See Clearance page for more info

-- FOB Mfr, CA / IL --

4+ gal \$110.00 /gal

20+ gal \$106.00 /gal

80+ gal \$99.00 /gal

Pallet (144 gal) \$92.00 /gal

Larger Quantities - Call for quote

## **Big Problem:**

**Poor internal drainage of the soil.**

Whatever might be the reason for it  
(and there are certainly many!),  
poor internal soil drainage compounds  
the challenges of growing a  
marketable, profitable crop.

It is an unfortunate fact that we are not  
all blessed with ideal soils perfectly  
suited for the crops we are growing.  
And even if our soils start out in pretty  
good shape, poor irrigation water  
quality can quickly make maintaining  
optimal soil tilth challenging. If a soil  
becomes too compacted to accept  
water easily at the surface and allow  
rapid infiltration, water is wasted and  
problems multiply. It can also create  
internal drainage problems that allow  
salt buildup.

**Wetting Agents  
and/or Surfactants are  
a Partial Solution**

(←see products to left)

Surfactants can "jump-start" the water  
infiltration process. Once internal  
drainage and soil/air exchange is  
improved, the application of biological  
and/or mineral amendments  
will be more effective in improving the  
soil rhizosphere. This can result in a  
more friable, resilient, sustainable, and  
just plain old "plant-friendly" soil.

# Soil Amendments

Promoting Soil Structure, Nutrient Cycling, Internal Drainage, and Beneficial Biological Activity

## MINERALS

### CALCIUM AND SULFUR

The most productive range of soil pH for most edible plants is from about 6 to 7. Using **Lime on low pH** and **Sulfur on high pH** soils is a common and sensible way to temporarily adjust the pH of a marginal soil, improving its "growth quotient". Gypsum may also be used to improve soil friability or tilth, and is especially effective when calcium levels are low or the salt content of irrigation water is high.

### 90% SOIL SULFUR

Pastille Sulfur

Temporarily lowers soil pH;  
Improves mineral uptake and aids in sodium leaching in high pH soils

#### -- FOB EO Warehouse, Texas --

50+ lb	\$0.64 /lb
250+ lb	\$0.59 /lb
1000+ lb	\$0.55 /lb

#### -- FOB Mfr, TX (Martin) --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

#### -- FOB Mfr, AL (Tiger-Sul) --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

Larger Quantities - Call for quote

### OR 99.5% ELEMENTAL SULFUR

Pastille Sulfur

Suitable for use in sulfur burners to improve irrigation water and soil environments

#### Direct Ship Only

#### -- FOB Mfr, TX (Martin) --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

#### -- FOB Mfr, AL (Tiger Sul) --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

Larger Quantities - Call for quote

### Diamond K

oGYPSUM

### SOLUTION GRADE 97

Calcium Sulfate

Water soluble powder; Can be applied through drip or pivot, Improves soils irrigated with poor quality water

#### -- FOB EO Warehouse, Texas --

50+ lb	\$0.43 /lb
250+ lb	\$0.40 /lb
1000+ lb	\$0.37 /lb
Pallet (50 lb bags)	\$0.35 /lb

#### -- FOB Mfr, UT --

Pallet (50 lb bags)	\$0.08 /lb
2000 lb Super Bag	\$0.08 /lb
3+ Super Bags	\$0.07 /lb

Larger Quantities - Call for quote

### Calcium Products

oSUPER CAL 98G

Pelletized Limestone

98% pure calcitic limestone  
Calcium source and pH adjuster  
recommended for acidic soils

#### Direct Ship Only

#### -- FOB Mfr, IA --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

Larger Quantities - Call for quote

# Seed and Seed Trench Treatments

## Seed and Seed Trench Treatments

can promote and accelerate germination, emergence, and the early growth of plants and are especially useful when planting in challenging soil and temperature environments.

### DPH Biologicals

#### °MYCO SEED TREAT

##### Planter Box Treatment

5 species of Endo Mycorrhizal Fungi with helper bacteria creates a symbiotic relationship with plant roots; enhances rhizosphere; builds soil structure; improves mineral uptake and drought resistance

##### -- FOB EO Warehouse, Texas --

1+ lb	\$75.00 /lb
5+ lb	\$63.00 /lb
10+ lb	\$52.00 /lb

##### -- FOB Mfr, IL --

5+ lb	\$62.00 /lb
10+ lb	\$50.00 /lb
30+ lb	\$45.00 /lb
150+ lb	\$43.00 /lb

*Larger Quantities - Call for quote*

### Soil Mender

#### °EARTHWORM CASTINGS

##### -- FOB EO Warehouse, Texas --

40+ lb	\$1.15 /lb
400+ lb	\$1.10 /lb
1000+ lb	\$1.05 /lb

##### -- FOB Mfr, TX --

1000 lb	\$0.94 /lb
Pallet (40 lb bags)	\$0.80 /lb

*Larger Quantities - Call for quote*

### JH Biotech

#### °SOLUPHOS SP

##### Microbial Inoculant

Phosphate Solubilizing Bacteria

*Bacillus licheniformis*

*Pseudomonas putida*

##### Direct Ship Only

##### -- FOB Mfr, CA --

20+ lb	\$19.00 /lb
100+ lb	\$17.00 /lb

*Larger Quantities - Call for quote*

### DPH Biologicals

#### °BAC-PAC SEED TREAT

##### Planter Box Treatment

Biostimulating bacterial formulation - enhances root zone environment.

##### Direct Ship Only

##### -- FOB Mfr, IL --

5+ lb	\$40.00 /lb
10+ lb	\$34.00 /lb
30+ lb	\$30.00 /lb
150+ lb	\$29.00 /lb
900+ lb	\$28.00 /lb

*Larger Quantities - Call for quote*

### CR Brown

#### °BROWN'S FISH HYDROLYSATE

##### 2 - 3 - 1

Cold processed hydrolysate

Natural plant and soil microbe food

Containing all original fish oils, proteins, and calcium sources.

Promotes soil microbe growth and diversity.

Good source of highly available phosphate for early root growth.

##### -- FOB EO Warehouse, Texas --

1+ gal	\$16.00 /gal
4+ gal	\$14.75 /gal
2.5 gal	\$13.00 /gal
5+ gal case	\$12.00 /gal
20+ gal	\$11.50 /gal
80+ gal	\$11.00 /gal
Drum - 55 gal	\$6.50 /gal
Drums 4-55 gal	\$6.00 /gal
Pallet Tank	\$4.65 /gal
1000 gal (in totes)	\$4.50 /gal

##### -- FOB Mfr, NC --

80+ gal	\$8.90 /gal
Pallet (180 gal)	\$8.40 /gal
Drum - 55 gal	\$4.75 /gal
Drums 4-55 gal	\$4.50 /gal
Pallet Tank	\$3.75 /gal
1040 gal (4 totes)	\$3.65 /gal
2600 gal (10 totes)	\$3.55 /gal
4680 gal (18 totes)	\$3.45 /gal

### DPH Biologicals

#### °SP-1

##### Microbial Inoculant

Stable liquid microbial formula.

Supplies and stimulates diverse soil microbial life.

Improves soil tilth and health.

##### -- FOB EO Warehouse, Texas --

2.5 gal	\$18.00 /gal
5+ gal	\$16.00 /gal
20+ gal	\$15.00 /gal

##### -- FOB Mfr, IL --

20+ gal	\$13.25 /gal
80+ gal	\$12.50 /gal
Drum - 30 gal	\$11.25 /gal
Pallet Tank	\$9.50 /gal
1000 gal (in totes)	\$9.25 /gal

*Larger Quantities - Call for quote*

### DPH Biologicals

#### °MVP

##### Microbial Inoculant

Stable liquid microbial formula.

Supplies and stimulates diverse soil microbial life.

Improves soil tilth and health.

##### -- FOB EO Warehouse, Texas --

2.5 gal	\$15.00 /gal
5+ gal	\$13.50 /gal
20+ gal	\$12.50 /gal
Drum - 30 gal	\$11.00 /gal

##### -- FOB Mfr, IL --

20+ gal	\$10.50 /gal
80+ gal	\$10.00 /gal
Drum - 30 gal	\$9.00 /gal
Pallet Tank	\$7.00 /gal
1000 gal (in totes)	\$6.75 /gal

*Larger Quantities - Call for quote*



# Seed and Seed Trench Treatments

## Mycorrhizal Fungi

### Myco Apply

#### °ENDO MYCORRHIZAE

##### FUNGAL SPECIES

Symbiotic with Plant Roots

Appropriate for a Wide Variety of Plants, Including Fruit and Nut Trees, Vegetables and Turfgrass.

#### °GRANULAR ENDO

4 species blend

For soil or media application

**Direct Ship Only**

-- FOB CA --

40+ lb	\$7.60 /lb
200+ lb	\$7.15 /lb
800+ lb	\$6.75 /lb

#### °ULTRAFINE ENDO

4 species blend

For dry or liquid application

Easily suspendable in water with minimal agitation

**Direct Ship Only**

-- FOB CA --

20+ lb	\$16.00 /lb
100+ lb	\$15.00 /lb
400+ lb	\$14.00 /lb

#### °ENDO MAXX

4 species blend

Concentrated wettable powder

10 grams treats approx 2.5 acres

1 bag treats approx 40 acres

**Direct Ship Only**

-- FOB CA --

1 bag (160 gm)	\$643.00 /bag
2 bags (320 gm)	\$636.00 /bag
4 bags (640 gm)	\$629.00 /bag
10 bags (1600 gm)	\$622.00 /bag

### Myco Apply

#### °ENDO / ECTO

##### MYCORRHIZAE

##### FUNGAL SPECIES

Symbiotic with Plant Roots

Appropriate for conifers, oaks, pecans, others.

#### °GRANULAR ENDO / ECTO

4 Endo / 7 Ecto Species

For soil or media application

**Direct Ship Only**

-- FOB CA --

40+ lb	\$13.25 /lb
200+ lb	\$12.50 /lb
800+ lb	\$11.50 /lb

#### °ULTRAFINE ENDO / ECTO

4 Endo / 7 Ecto Species

For any dry or liquid application

Easily suspendable in water with minimal agitation

**Direct Ship Only**

-- FOB CA --

20+ lb	\$20.25 /lb
100+ lb	\$19.00 /lb
400+ lb	\$17.80 /lb

#### °SOLUBLE MAXX

##### ENDO / ECTO

9 Endo / 10 Ecto Species  
w/ Kelp and Humic Acid

Water soluble Soil Drench  
w/specially blended amendments.

**Direct Ship Only**

-- FOB CA --

1+ lb	\$45.75 /lb
4+ lb	\$42.75 /lb
20+ lb	\$40.00 /lb
100+ lb	\$37.65 /lb

## The Friendly Fungus

Mycorrhizal Fungi are known for developing a symbiotic relationship with plant root systems. Plants allow the fungal organisms to attach to their root system. The plant supplies energy in the form of carbohydrates to the fungi. In turn the fungal system grows its hyphae out and begins to supply an enhanced mineral nutrient and water flow to the plant. A plant successfully "infected" with mycorrhizal fungi will receive nutrients and water from a far larger volume of soil when compared with a normal root system alone.

In addition, The plant will receive more nutrients from within the "normal" root mass area of the soil. This is because the mycorrhizal fungal hyphae explore much more of the soil area between the root hairs of the plant. Studies have indicated as much as a 1000 fold increase in soil contacted by the plant's "root system". This means more efficient use of applied and pre-existing soil nutrients before they are made unavailable by leaching, volatilization, and "tie-up".

See [earthwiseagriculture.net](http://earthwiseagriculture.net) for more info on the many benefits of mycorrhizal fungi to both plants and soils.

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## **NPK - FERTILIZERS**

Selected Products containing Nitrogen (N), Phosphorous (P), and/or Potassium (K) appropriate for sustainable and organic agricultural production

### **SQM** **OR ALLGANIC** **NITROGEN PLUS**

15-0-2

Water soluble source of N and K. N is in the *Nitrate form* which is usually lacking in organic production systems.

**-- FOB EO Warehouse, Texas --**

50+ lb (/lb)	\$1.30 /lb
250+ lb (/lb)	\$1.15 /lb
1000+ lb (/lb)	\$1.10 /lb

**FOB Mfr,**

**-- OK / DE / CA / GA --**

Pallet (50 lb bags)	\$0.90 /lb
2645 lb Super Bag	\$0.88 /lb
3+ Super Bags	\$0.85 /lb

*Larger Quantities - Call for quote*

### **NRG**

### **°ACTIVATE NF WITH** **WAKE-UP ORGANO**

Water Soluble, Nitrogen-Fixing Bacteria Spores and Soluble Food Sources  
These free living and root colonizing organisms have the capability to fix soil nitrogen from the atmosphere.

**Direct Ship Only**

**-- FOB Mfr, CA --**

5 lb (bucket)	\$41.00 /lb
31.8 lb (bucket)	\$34.00 /lb
159 lb (5 buckets)	\$31.50 /lb
1000+ lb	\$29.50 /lb

*Larger Quantities - Call for quote*

## **Ferti-Organic**

### **°NITRO PLUS**

13.62-0-0

Water Soluble, Derived from non-GMO soy protein. Recommended for soil, foliar, and hydroponic applications.

(Rates of 2 - 9 lb per acre)

**-- FOB EO Warehouse, Texas --**

50+ lb (/lb)	\$5.80 /lb
250+ lb (/lb)	\$5.60 /lb
1000+ lb (/lb)	\$5.40 /lb
Pallet (50 lb bags)	\$5.05 /lb

*Larger Quantities - Call for quote*

## **Darling Ingredients**

### **°NATURE SAFE** **BLENDING BASE 13-0-0**

13% slow release N (Pellets)

Hydrolyzed feather, meat, and blood meal.

**Direct Ship Only**

**-- FOB Mfr, KY --**

Pallet (50 lb bags)	\$0.65 /lb
2000 lb Super Bag	\$0.65 /lb
3+ Super Bags	\$0.63 /lb

*Larger Quantities - Call for quote*

## **Darling Ingredients**

### **°NATURE SAFE** **10-2-8 COARSE GRADE**

Hydrolyzed feather, meat, bone and blood meal with sulfate of potash.

**Direct Ship Only**

**-- FOB Mfr, KY --**

Pallet (50 lb bags)	\$0.69 /lb
2000 lb Super Bag	\$0.69 /lb
3+ Super Bags	\$0.67 /lb

*Larger Quantities - Call for quote*

## **HE Ranch**

### **°THE FARMS CHOICE** **COOP JUICE 2-1-1**

Liquid Chicken Manure

Stimulates rooting, plant vigor, and microbial activity

Derived from a microbially digested chicken manure solution.

**Direct Ship Only**

**-- FOB Mfr, AZ --**

Pallet Tank	\$2.30 /gal
1000 gal (in totes)	\$2.25 /gal

*Larger Quantities - Call for quote*

## **CR Brown**

### **°BROWN'S FISH** **HYDROLYSATE**

2 - 3 - 1

Cold processed hydrolysate

Natural plant and microbe food

Containing all original fish oils, proteins and calcium sources

**-- FOB EO Warehouse, Texas --**

1 gal	\$16.00 /gal
4+ gal	\$14.75 /gal
2.5 gal	\$13.00 /gal
5+ gal case	\$12.00 /gal
20+ gal	\$11.50 /gal
80+ gal	\$11.00 /gal
Drum - 55 gal	\$6.50 /gal
Drums 4-55 gal	\$6.00 /gal
Pallet Tank (260 gal)	\$4.70 /gal
1000 gal (in totes)	\$4.50 /gal

**-- FOB Mfr, NC --**

80+ gal	\$8.90 /gal
Pallet (180 gal)	\$8.40 /gal
Drum - 55 gal	\$4.50 /gal
Drums 4-55 gal	\$4.25 /gal
Pallet Tank (260 gal)	\$3.75 /gal
1040 gal (4 totes)	\$3.65 /gal
2600 gal (10 totes)	\$3.55 /gal
4680 gal (18 totes)	\$3.40 /gal

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## **NPK - FERTILIZERS**

**(CONT)**

### **JH Biotech**

#### **°AQUA POWER 5-1-1**

Liquid plant nutrient derived from marine fish species. Slow release N, plus 20 amino acids, 13 vitamins, and 8 additional minerals in trace amounts.

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$16.50 /gal
5+ gal	\$14.50 /gal
20+ gal	\$14.00 /gal
80+ gal	\$13.50 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$13.30 /gal
80+ gal	\$12.85 /gal
Pallet (180 gal)	\$11.35 /gal
Drum - 55 gal	\$11.00 /gal
Drums 4-55 gal	\$10.50 /gal
Pallet Tank (250 gal))	\$10.90 /gal

*Larger Quantities - Call for quote*

### **Nature's Source**

#### **°ORGANIC PLANT FOOD 3-1-1**

Derived from fermented oilseed extract

Contains secondary micronutrients along with calcium and magnesium.

Far lower salt index than most commonly used water-soluble fertilizers.

**Appropriate for continuous feed (hydroponic) and for field crops**

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$12.25 /gal
5+ gal	\$11.75 /gal
20+ gal	\$11.00 /gal
80+ gal	\$10.50 /gal

**-- FOB Mfr, TX --**

80+ gal	\$9.50 /gal
Pallet (180 gal)	\$9.00 /gal
Drum - 55 gal	\$9.00 /gal
Drums 4-55 gal	\$8.50 /gal
Pallet Tank (275 gal)	\$8.00 /gal

*Larger Quantities - Call for quote*

### **Dramm Corp**

#### **OR°DRAMMATIC "ONE" LIQUID FISH**

4 - 4 - 0.5

Cold processed hydrolysate with Chilean Nitrate, Kelp, and Fulvic Acid  
Natural plant and microbe food  
Containing all original Fish oils and Calcium sources.

**Direct Ship Only**

**-- FOB Mfr, IL --**

Pallet Tank	\$11.00 /gal
1000 gal (in totes)	\$10.50 /gal

*Larger Quantities - Call for quote*

### **Albion**

#### **METALOSATE NPK**

Metalosate NPK 4-17-17

Liquid formulation - designed for foliar application on plants to prevent or quickly correct nutrient deficiencies.

**Not allowed for Organic Use**

**-- FOB EO Warehouse, Texas --**

**Clearance Pricing on  
In-Stock Inventory**

20 gal available @ \$30.00 /gal

*See Clearance page for more info*

**-- FOB Mfr, CA / UT --**

20+ gal	\$33.50 /gal
80+ gal	\$32.50 /gal
Pallet (180 gal)	\$32.00 /gal

*Larger Quantities - Call for quote*

### **Summit Gold**

#### **°GENESYS N-FORCE 8-0-0**

Liquid formulation of nutrients derived from plant protein hydrolysate

100% derived from L-amino acids

Appropriate use as foliar, in furrow treatment, and drip irrigation.

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$23.50 /gal
5+ gal	\$22.50 /gal
20+ gal	\$21.75 /gal
80+ gal	\$21.25 /gal

**-- FOB Mfr, TX --**

Pallet (180 gal)	\$16.50 /gal
Pallet Tank (265 gal)	\$13.50 /gal

*Larger Quantities - Call for quote*

### **Nature's Source**

#### **NURSERY AND SPECIAL PLANT FOOD 10-4-5**

Liquid formulation of nutrients derived from oilseed extract and fortified with NPK

Also contains secondary micronutrients along with calcium and magnesium. Far lower salt index than most commonly used water-soluble fertilizers.

**Not allowed for Organic Use**

**Direct Ship Only**

**-- FOB Mfr, TX --**

80+ gal	\$9.00 /gal
Pallet (180 gal)	\$8.50 /gal
Drum - 55 gal	\$7.25 /gal
Drums 4-55 gal	\$6.75 /gal
Pallet Tank (275 gal)	\$5.75 /gal

*Larger Quantities - Call for quote*



# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## **NPK - FERTILIZERS**

### **CHICKEN MANURE PRODUCTS**

#### **HE Ranch**

*FOB Arizona*

Source of slow release N;  
also a good source of Ca, P, and K

### ◦**THE FARMS CHOICE 4-2-2**

Chicken Manure **Pellets**

-- **FOB EO Warehouse, Texas** --

50+ lb (/lb)	\$0.50 /lb
250+ lb (/lb)	\$0.47 /lb
1000+ lb (/lb)	\$0.44 /lb

-- **FOB Mfr, AZ** --

Pallet (50 lb bags)	\$0.20 /lb
2000 lb Super Bag	\$0.16 /lb
3+ Super Bags	\$0.15 /lb

*Larger Quantities - Call for quote*

#### **Heat Treated** Chicken Manure

A meal-type product - can be dusty

**Direct Ship Only**

-- **FOB Mfr, AZ** --

Pallet (50 lb bags)	\$0.17 /lb
2000 lb Super Bag	\$0.14 /lb
3+ Super Bags	\$0.13 /lb

*Larger Quantities - Call for quote*

### ◦**THE FARMS CHOICE 6-2-2** **+ 8% CALCIUM**

Chicken Manure **Pellets**

-- **FOB EO Warehouse, Texas** --

50+ lb (/lb)	\$0.63 /lb
250+ lb (/lb)	\$0.58 /lb
1000+ lb (/lb)	\$0.53 /lb

-- **FOB Mfr, AZ** --

Pallet (50 lb bags)	\$0.28 /lb
2000 lb Super Bag	\$0.25 /lb
3+ Super Bags	\$0.24 /lb

*Larger Quantities - Call for quote*

#### **Heat Treated** Chicken Manure

A meal-type product - can be dusty

**Direct Ship Only**

-- **FOB Mfr, AZ** --

Pallet (50 lb bags)	\$0.23 /lb
2000 lb Super Bag	\$0.21 /lb
3+ Super Bags	\$0.19 /lb

*Larger Quantities - Call for quote*

### ◦**THE FARMS CHOICE 8-2-2** **+ 8% CALCIUM**

Chicken Manure **Pellets**

-- **FOB EO Warehouse, Texas** --

50+ lb (/lb)	\$0.70 /lb
250+ lb (/lb)	\$0.63 /lb
1000+ lb (/lb)	\$0.58 /lb

-- **FOB Mfr, AZ** --

Pallet (50 lb bags)	\$0.32 /lb
2000 lb Super Bag	\$0.30 /lb
3+ Super Bags	\$0.28 /lb

*Larger Quantities - Call for quote*

### ◦**THE FARM'S CHOICE** **10-2-0 POULTRY MEAL**

Fine **Meal** Consistency

Quickly breaks down with watering

**Direct Ship Only**

-- **FOB Mfr, AZ** --

2000 lb Super Bag	\$0.31 /lb
3+ Super Bags	\$0.30 /lb

*Quotes for Larger Quantities Available*

#### **Fassio Farms**

*FOB Utah*

### ◦**KAY'S CHOICE 4-3-2** **+ 8% CALCIUM**

**Pelletized** Chicken Manure

Source of slow release N;  
also a source of Ca, P, and K

**Direct Ship Only**

-- **FOB Mfr, UT** --

Pallet (50 lb bags)	\$0.19 /lb
2000 lb Super Bag	\$0.15 /lb
3+ Super Bags	\$0.14 /lb

*Larger Quantities - Call for quote*

### ◦**KAY'S CHOICE 4-3-2** **+ 8% CALCIUM**

**Granulated** Chicken Manure

Slow release N; also a source of  
Ca, P, and K

**Direct Ship Only**

-- **FOB Mfr, UT** --

2000 lb Super Bag	\$0.17 /lb
3+ Super Bags	\$0.16 /lb

*Larger Quantities - Call for quote*

#### **Cold Spring Egg Farm**

*FOB Wisconsin*

Source of slow release N; also a good  
source of Ca, P, and K

### ◦**CM 4-3-2** **+ 9% CALCIUM** **Granular**

**Direct Ship Only**

-- **FOB Mfr, WI** --

Pallet (40 lb bags)	\$0.20 /lb
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*Larger Quantities - Call for quote*

### ◦**CM 4-3-2** **+ 9% CALCIUM** **Pelletized**

**Direct Ship Only**

-- **FOB Mfr, WI** --

Pallet (40 lb bags)	\$0.18 /lb
---------------------	------------

*Larger Quantities - Call for quote*

### ◦**CM 5-3-2** **+ 9% CALCIUM** **Granular**

**Unavailable until Fall 2022**

2000 lb Super Bag	\$x.xx /lb
3+ Super Bags	\$x.xx /lb

*Larger Quantities - Call for quote*

### ◦**CM 5-3-2** **+ 9% CALCIUM** **Pelletized**

**Unavailable until Fall 2022**

2000 lb Super Bag	\$x.xx /lb
3+ Super Bags	\$x.xx /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## **NPK - FERTILIZERS**

**(CONT)**

### **Diamond K** **°POTASSIUM SULFATE**

0-0-50

Water Soluble, Fine Powder

**-- FOB EO Warehouse, Texas --**

50+ lb	\$0.95 /lb
250+ lb	\$0.93 /lb
1000+ lb	\$0.92 /lb
Pallet (50 lb bags)	\$0.90 /lb

**-- FOB Mfr, UT --**

Pallet (50 lb bags)	\$0.61 /lb
2000 lb Super Bag	\$0.60 /lb
3+ Super Bags	\$0.59 /lb

*Larger Quantities - Call for quote*

### **SQM** **OR ALLGANIC** **POTASSIUM SULFATE**

0-0-52

Water Soluble, Fine Powder

**Direct Ship Only**

**FOB Mfr,**

**-- OK / DE / CA / GA --**

Pallet (50 lb bags)	\$0.86 /lb
2645 lb Super Bag	\$0.84 /lb
3+ Super Bags	\$0.82 /lb

*Larger Quantities - Call for quote*

### **Intrepid** **OR POTASH**

Muriate of Potash 0-0-60

Water Soluble Potassium Chloride

*Granular - SGN 290 (2.9 mm)*

**Direct Ship Only**

**-- FOB Mfr, UT --**

5+ Super Bags	Quote /lb
10+ Super Bags	Quote /lb
Bulk Truckload	Quote /lb

*Larger Quantities - Call for quote*

### **Albion**

### **°METALOSATE POTASSIUM**

Amino Acid Chelated

Water Soluble

3.0% N; 35.0% K (Potash)

**-- FOB EO Warehouse, Texas --**

5 lb (jug)	\$19.50 /lb
10+ lb	\$16.75 /lb
20+ lb	\$16.25 /lb
40+ lb	\$15.50 /lb

**-- FOB Mfr, UT / CA --**

20+ lb	\$15.75 /lb
40+ lb	\$15.25 /lb
44 lb bag	\$13.25 /lb
220 lb (5 bags)	\$12.00 /lb

*Larger Quantities - Call for quote*

### **Diamond K** **°KMS**

0-0-22-11Mg-22S

Potassium-Magnesium Sulfate

Very Fine, Water Soluble Powder

**Note: Short Storage Life in High Humidity Areas**

**Direct Ship Only**

**-- FOB Mfr, UT --**

Pallet (50 lb bags)	\$0.62 /lb
2000 lb Super Bag	\$0.60 /lb
3+ Super Bags	\$0.57 /lb

*Larger Quantities - Call for quote*

### **Intrepid** **°TRIO**

Organic K-Mag

0-0-22-11Mg-22S

Potassium-Magnesium Sulfate

*Granular - SGN 260 (2.6 mm)*

**Direct Ship Only**

**-- FOB Mfr, NM --**

5+ Super Bags	Quote /lb
10+ Super Bags	Quote /lb
Bulk Truckload	Quote /lb

*Larger Quantities - Call for quote*

**Direct Ship Only**

**-- FOB Mfr, IN --**

5+ Super Bags	Quote /lb
10+ Super Bags	Quote /lb
Bulk Truckload	Quote /lb

**Call for status of availability  
of bagged product**

*Standard - SGN 105 (1.05 mm)*

**Direct Ship Only**

**-- FOB Mfr, NM --**

5+ Super Bags	Quote /lb
10+ Super Bags	Quote /lb
Bulk Truckload	Quote /lb

*Larger Quantities - Call for quote*

*Fine Standard - SGN 40 (0.4 mm)*

**Direct Ship Only**

**-- FOB Mfr, NM --**

5+ Super Bags	Quote /lb
10+ Super Bags	Quote /lb
Bulk Truckload	Quote /lb

*Larger Quantities - Call for quote*

### **Compass Minerals** **°PROTASSIUM+**

0-0-50 contains 17% Sulfur

*Organic Ag Gran (310 SGN)*

**Direct Ship Only**

**-- FOB Mfr, UT / IL --**

2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## **NPK - FERTILIZERS**

### **PHOSPHORUS**

**Fertoz**

### **°ROCK PHOSPHATE**

0-7-0

Calcium Phosphate

#### **50 - 150 Mesh (Powdered)**

**Direct Ship Only**

**-- FOB Mfr, ID --**

Pallet (50 lb bags)	\$0.17 /lb
2000 lb Super Bag	\$0.14 /lb
3+ Super Bags	\$0.13 /lb

*Larger Quantities - Call for quote*

#### **325 Mesh Micronized**

**Direct Ship Only**

**-- FOB Mfr, ID --**

Pallet (50 lb bags)	\$0.55 /lb
2000 lb Super Bag	\$0.49 /lb
3+ Super Bags	\$0.46 /lb

*Larger Quantities - Call for quote*

#### **180 or 240 SGN Granular**

**-- FOB EO Warehouse, Texas --**

50+ lb	\$0.56 /lb
250+ lb	\$0.51 /lb
1000+ lb	\$0.48 /lb

*e*

**-- FOB Mfr, ID --**

Pallet (50 lb bags)	\$0.38 /lb
2000 lb Super Bag	\$0.34 /lb
3+ Super Bags	\$0.32 /lb

*Larger Quantities - Call for quote*

**Fertoz**

### **°ROCK PHOSPHATE + SULFUR BLEND**

#### **180 or 240 SGN Granular**

70% - Granular Rock Phosphate 0-7-0  
+ 30% Granulated Elemental Sulfur

**Direct Ship Only**

**-- FOB Mfr, ID --**

Pallet (50 lb bags)	\$0.39 /lb
2000 lb Super Bag	\$0.35 /lb
3+ Super Bags	\$0.33 /lb

*Larger Quantities - Call for quote*

**Soda Springs**

### **°SOFT ROCK PHOSPHATE**

20% Calcium, 20% Phosphate

Prilled using a Molasses Binder

**Direct Ship Only**

**-- FOB Mfr, ID --**

Pallet (50 lb bags)	<b>Quote /lb</b>
2150 lb Super Bag	<b>Quote /lb</b>
3+ Super Bags	<b>Quote /lb</b>

*Larger Quantities - Call for quote*

### **Releasing Minerals from the Soil by Microbial Action**

*A typical agricultural soil test does*

*not measure "total nutrients",*

*instead it measures a some*

*fraction of those nutrients which*

*the lab believes would be*

*available to plant roots under*

*basic growing conditions - defined*

*mainly by the pH of the soil*

*sample taken.*

*Many microbes are more  
aggressive mineral feeders (and  
recyclers) than plant roots are -  
a diverse and robust microbial  
population in the root zone can*

*help "unlock" soil nutrients that  
would otherwise be unavailable to*

*the plant. There are also*

*microbes that "specialize" in the*

*digestion and recycling of a*

*particular nutrient,*

*(cont next column)*

*Soluphos SP (below) is not a  
phosphorous fertilizer, but it  
contains phosphorous solublizing  
organisms that can help make the  
native (and applied) soil  
phosphorous more available to the  
plant. It is recommended as part  
of an in-furrow application at  
planting to improve P availability  
during emergence and  
early growth.*

**JH Biotech**

### **°SOLUPHOS SP**

Microbial Inoculant

Phosphate Solubilizing Bacteria

*Bacillus licheniformis*

*Pseudomonas putida*

**Direct Ship Only**

**-- FOB Mfr, CA --**

20+ lb	\$19.00 /lb
100+ lb	\$17.00 /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## ADJUVANTS

Products designed to maximize the efficiency of liquid fertilizers and/or pesticides for plant or soil application

### **JH Biotech**

#### **°NATURAL WET**

Contains Saponins  
Natural, non-Ionic surfactant  
derived from Yucca Plants  
Facilitates nutrient & water absorption

#### **-- FOB EO Warehouse, Texas --**

2.5 gal	\$22.00 /gal
5+ gal case	\$20.50 /gal
20+ gal	\$19.25 /gal
80+ gal	\$18.50 /gal

#### **-- FOB Mfr, TX / CA / FL --**

20+ gal	\$18.50 /gal
80+ gal	\$17.75 /gal
Pallet (180 gal)	\$16.25 /gal

*Larger Quantities - Call for quote*

### **Brandt Organics**

#### **°AG-AIDE**

Yucca Extract, 100% Yucca  
Natural, non-Ionic surfactant  
Facilitates nutrient & water absorption

#### **-- FOB EO Warehouse, Texas --**

#### **Clearance Price**

#### **on In-Stock Inventory**

55 gal available @ \$75.00 /gal

*See Clearance page for more info*

#### **-- FOB Mfr, CA / IL --**

4+ gal	\$110.00 /gal
20+ gal	\$106.00 /gal
80+ gal	\$99.00 /gal
Pallet (144 gal)	\$92.00 /gal

*Larger Quantities - Call for quote*

### **Brandt**

#### **OR°SUPER WETTER**

Organosilicone Surfactant  
Highly concentrated, especially effective  
for low-volume spraying

#### **-- FOB EO Warehouse, Texas --**

1 gal	\$106.50 /gal
4+ gal	\$99.00 /gal
20+ gal	\$92.50 /gal

#### **-- FOB Mfr, CA / IL --**

20+ gal	\$89.00 /gal
80+ gal	\$83.50 /gal
Pallet (144 gal)	\$78.00 /gal

*Larger Quantities - Call for quote*

### **Mesa Verde**

#### **°MV SOLUBLE POWDER**

80% Humic Acid - Water Soluble  
Buffers/assists plant nutrient uptake  
in foliar and hydroponic formulations

2200 lb pallet makes 1300+ gal  
15% Humic Acid Solution

#### **Direct Ship Only**

#### **-- FOB Mfr, TX --**

Pallet (55 lb bags) \$2.85 /lb

*Larger Quantities - Call for quote*

### **NRG**

#### **°POWER K HUMIC ACID**

Soluble Powder  
55% Humic, 30% Fulvic  
For use in the soil or as foliar adjuvant

#### **-- FOB EO Warehouse, Texas --**

#### **Clearance Price**

#### **on In-Stock Inventory**

325 lb available @ \$5.50 /lb

*See Clearance page for more info*

#### **-- FOB Mfr, CA --**

25+ lb	\$8.45 /lb
50+ lb	\$6.50 /lb
250+ lb	\$6.25 /lb
1000+ lb	\$5.25 /lb
Pallet (50 lb bags)	\$5.00 /lb

*Larger Quantities - Call for quote*

### **Ferti-Organic**

#### **°SOLUBLE HUMIC ACID**

Soluble Powder

60% Humic Acid; 7% Potash  
Use in the soil or as foliar adjuvant

#### **-- FOB EO Warehouse, Texas --**

50+ lb	\$5.00 /lb
250+ lb	\$4.60 /lb
1000+ lb	\$4.25 /lb
Pallet (50 lb bags)	\$3.90 /lb

*Larger Quantities - Call for quote*

### **Ferti-Organic**

#### **°FULVIC PLUS**

Soluble Powder

90% Fulvic Acid

Buffers/assists plant nutrient uptake,  
in foliar and hydroponic formulations

#### **-- FOB EO Warehouse, Texas --**

50+ lb	\$5.45 /lb
250+ lb	\$5.00 /lb
1000+ lb	\$4.60 /lb
Pallet (50 lb bags)	\$4.30 /lb

*Larger Quantities - Call for quote*

### **LignoTech USA**

#### **°BORREGRO HA-2**

Concentrated, 15% Liquid Humic Acid

#### **Direct Ship Only**

#### **-- FOB Mfr, WI --**

Pallet Tank	\$6.75 /gal
1000+ gal (in totes)	\$6.40 /gal

*Larger Quantities - Call for quote*

### **JC Smith Co.**

#### **°LIQUID 16% HUMIC ACID**

Buffers/assists plant nutrient uptake,  
in foliar and hydroponic formulations

#### **Direct Ship Only**

#### **-- FOB Mfr, TX --**

Pallet Tank	\$7.40 /gal
1000 gal (in totes)	\$7.00 /gal

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## ADJUVANTS (cont)

### **Brandt Organics**

**OR SKH STICKER**

Bentonite, Lactose and Casein

Use with foliar insecticides, fungicides, herbicides and nutritional sprays to increase rain fastness

**-- FOB EO Warehouse, Texas --**

5+ lb	\$5.00 /lb
20+ lb	\$4.25 /lb
50+ lb (case)	\$3.50 /lb

**-- FOB Mfr, CA / IL --**

50+ lb (case)	\$2.50 /lb
250+ lb (5 cases)	\$2.00 /lb
500+ lb (10 cases)	\$1.75 /lb
Pallet (1400 lb)	\$1.60 /lb

*Larger Quantities - Call for quote*

### **Ferti-Organic**

**OR KARANJA OIL**

Cold Pressed Karanja Oil

Adjuvant - Improves Efficacy of Neem Oil and other Pesticides

**-- FOB EO Warehouse, Texas --**

1 gal	\$50.00 /gal
4+ gal	\$47.00 /gal
5+ gal	\$45.00 /gal
20+ gal	\$43.00 /gal
80+ gal	\$41.00 /gal
Pallet (160 gal)	\$39.00 /gal
Drum - 55 gal	\$40.00 /gal
Drums 4-55 gal	\$38.00 /gal

*Larger Quantities - Call for quote*

### **JH Biotech**

**OR BIOREPEL**

Penetrant

Assists nutrient movement across the leaf membrane in foliar applications

*Also see in Plant Protection*

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$56.00 /gal
5+ gal	\$54.00 /gal
20+ gal	\$52.50 /gal
80+ gal	\$49.00 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$51.75 /gal
80+ gal	\$48.25 /gal
Pallet (180 gal)	\$42.00 /gal
Drum - 55 gal	\$44.50 /gal
Drums 4-55 gal	\$41.50 /gal

*Larger Quantities - Call for quote*

### **JH Biotech**

**OR MIXWELL**

Acidifier-Complexing Agent

Acidifies high pH tank mixes

Helps make fertilizers more compatible in tank mixes, especially P

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$20.50 /gal
5+ gal	\$19.00 /gal
20+ gal	\$18.50 /gal
80+ gal	\$17.75 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$17.75 /gal
80+ gal	\$17.00 /gal
Pallet (180 gal)	\$15.00 /gal

*Larger Quantities - Call for quote*

### **Agro Research**

**OR ORGANIC CITRIC ACID**

10% - For water pH adjustment

Adjusts water pH levels as required for certain tank mixes

**-- FOB EO Warehouse, Texas --**

1 gal	\$12.00 /gal
4+ gal	\$11.00 /gal
20+ gal	\$10.00 /gal
80+ gal	\$9.50 /gal

**-- FOB Mfr, FL --**

80+ gal	\$7.00 /gal
Pallet (144 gal)	\$6.00 /gal

*Larger Quantities - Call for quote*



# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## MINOR ELEMENTS TRACE MINERALS

Micronutrients or trace minerals can be the limiting growth or quality factor even in well mineralized soils. Soil and petiole tests can indicate plant needs and are generally required for organic certification.

### **Diamond K** ◦**GYP SUM** **SOLUTION GRADE 97**

Calcium Sulfate

Water Soluble Powder; Can be Applied  
Through Drip or Pivot

#### -- FOB EO Warehouse, Texas --

50+ lb	\$0.43 /lb
250+ lb	\$0.40 /lb
1000+ lb	\$0.37 /lb
Pallet (50 lb bags)	\$0.35 /lb

#### -- FOB Mfr, UT --

Pallet (50 lb bags)	\$0.08 /lb
2000 lb Super Bag	\$0.08 /lb
3+ Super Bags	\$0.07 /lb

*Larger Quantities - Call for quote*

### **Calcium Products**

#### ◦**SUPER CAL 98G**

Pelletized Limestone

98% pure calcitic limestone

Calcium source and pH adjuster

#### **Direct Ship Only**

#### -- FOB Mfr, IA --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

*Larger Quantities - Call for quote*

## ◦**90% SOIL SULFUR**

Pastille Sulfur

More commonly used for soil pH  
adjustment but also cost effective if  
sulfur is needed as a nutrient

**SEE PAGE 6 FOR PH ADJUSTMENT DESCRIPTION**

#### -- FOB EO Warehouse, Texas --

50+ lb	\$0.64 /lb
250+ lb	\$0.59 /lb
1000+ lb	\$0.55 /lb

#### -- FOB Mfr, TX (Martin) --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

#### -- FOB Mfr, AL (Tiger-Sul) --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

*Larger Quantities - Call for quote*

## ◦**MAGNESIUM SULFATE**

Epsom Salt

Water Soluble Magnesium source

#### -- FOB EO Warehouse, Texas --

50+ lb	\$0.60 /lb
250+ lb	\$0.55 /lb
1000+ lb	\$0.52 /lb

#### -- FOB Mfr, TX --

1000+ lb	\$0.45 /lb
Pallet (50 lb bags)	\$0.43 /lb

*Larger Quantities - Call for quote*

## OR**COPPER SULFATE**

20% Copper

Sprayable Copper Fertilizer

#### -- FOB EO Warehouse, Texas --

50+ lb	\$3.00 /lb
250+ lb	\$2.75 /lb
1000+ lb	\$2.60 /lb

#### -- FOB Mfr, TX --

1000+ lb	\$2.50 /lb
Pallet (50 lb bags)	\$2.40 /lb

*Larger Quantities - Call for quote*

## **Brandt** OR**IRON SULFATE**

20% Iron

Slowly Water Soluble

#### -- FOB EO Warehouse, Texas --

50+ lb	Quote /lb
250+ lb	Quote /lb
1000+ lb	Quote /lb

#### -- FOB Mfr, TX --

1000+ lb	Quote /lb
Pallet (50 lb bags)	Quote /lb

*Larger Quantities - Call for quote*

## OR**ZINC SULFATE**

+/- 35% Zinc

Granular, Slowly Water Soluble

#### -- FOB EO Warehouse, Texas --

50+ lb	\$1.70 /lb
250+ lb	\$1.60 /lb
1000+ lb	\$1.50 /lb

#### -- FOB Mfr, TX --

1000+ lb	\$1.40 /lb
Pallet (50 lb bags)	\$1.30 /lb

*Larger Quantities - Call for quote*

## OR**MANGANESE** **SULFATE**

+/- 32% Manganese

Granular, Slowly Water Soluble

#### -- FOB EO Warehouse, Texas --

55+ lb	\$1.40 /lb
275+ lb	\$1.30 /lb
1100+ lb	\$1.20 /lb

#### -- FOB Mfr, TX --

1100+ lb	\$1.15 /lb
Pallet (55 lb bags)	\$1.05 /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## MINOR ELEMENTS AND TRACE MINERALS (CONT)

### **Azomite Minerals**

#### °**AZOMITE**

Granular (For Crops)

Natural volcanic and sedimentary  
"exotic" trace mineral source

#### **-- FOB EO Warehouse, Texas --**

44+ lb	\$0.52 /lb
220+ lb	\$0.50 /lb
1100+ lb	\$0.49 /lb

#### **-- FOB Mfr, TX --**

1100+ lb	\$0.42 /lb
Pallet (44 lb bags)	\$0.41 /lb
3+ Pallets	\$0.40 /lb
10+ Pallets	\$0.39 /lb

*Larger Quantities - Call for quote*

### **Azomite Minerals**

#### °**AZOMITE**

Micronized (For Crops or Feed)

Natural volcanic and sedimentary  
"exotic" trace mineral source

#### **-- FOB EO Warehouse, Texas --**

44+ lb	\$0.47 /lb
220+ lb	\$0.45 /lb
1100+ lb	\$0.44 /lb

#### **-- FOB Mfr, TX --**

1100+ lb	\$0.38 /lb
Pallet (44 lb bags)	\$0.37 /lb
Super Bags (3+)	\$0.36 /lb
Super Bags (10+)	\$0.35 /lb

*Larger Quantities - Call for quote*

### **Healthy Soil**

#### °**ECO-MIN**

Natural clay-based "exotic" trace  
minerals for soil applications

#### **Direct Ship Only**

#### **-- FOB Mfr, CA --**

Pallet (50 lb bags)	<b>Quote /lb</b>
2000 lb Super Bag	<b>Quote /lb</b>
3+ Super Bags	<b>Quote /lb</b>

*Quotes for Bulk and Larger Quantities Available*

### **Restora Life**

#### OR<sup>°</sup>**FLORA-STIM**

Natural clay-based "exotic" trace  
minerals for soil applications

#### **Direct Ship Only**

#### **-- FOB Mfr, MS --**

Pallet (50 lb bags)	<b>Quote /lb</b>
2000 lb Super Bag	<b>Quote /lb</b>
3+ Super Bags	<b>Quote /lb</b>

*Larger Quantities - Call for quote*

### **Certis**

#### **AGSIL 16H**

Foliar/Soil Available Bionutrient

Soluble potassium silicate providing the  
plant a 100% available source of silicon  
and potassium that are essential for  
optimum plant growth and health.

Potassium Silicate facilitates the plant's  
internal processes and strengthens  
its external defenses.

**Not allowed for Organic production**

#### **-- FOB EO Warehouse, Texas --**

50+ lb	\$5.75 /lb
250+ lb	\$5.40 /lb
1000+ lb	\$5.20 /lb
Pallet (50 lb bags)	\$5.00 /lb

*Larger Quantities - Call for quote*

### **U.S. Borax**

#### OR<sup>°</sup>**SOLUBOR**

20% Boron

Water Soluble

**Note\*** Caution needed when  
applying Boron, especially foliar

#### **-- FOB EO Warehouse, Texas --**

50+ lb	\$2.10 /lb
250+ lb	<b>Quote /lb</b>

#### **-- FOB Mfr, CA / IL --**

250+ lb	<b>Quote /lb</b>
1000+ lb	<b>Quote /lb</b>
Pallet (50 lb bags)	<b>Quote /lb</b>

*Larger Quantities - Call for quote*

### **U.S. Borax**

#### OR<sup>°</sup>**GRANUBOR**

15.0% Boron

Water Soluble, Spreadable Boron

#### **Direct Ship Only**

#### **-- FOB Mfr, CA / IL --**

250+ lb	<b>Quote /lb</b>
1000+ lb	<b>Quote /lb</b>
Pallet (50 lb bags)	<b>Quote /lb</b>

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## MINOR ELEMENTS TRACE MINERALS (CONT)

### **Ferti-Organic**

#### °**SEAWEED/KELP**

Natural Foliar Spray

Water Soluble. Provides natural, balanced micronutrients for rapid uptake at critical growth points. Helps stimulate natural plant defenses and generally helps increase plant strength and vigor

**-- FOB EO Warehouse, Texas --**

50+ lb	\$7.00 /lb
250+ lb	\$6.50 /lb
1000+ lb	\$6.25 /lb
Pallet (50 lb bags)	\$6.00 /lb

*Larger Quantities - Call for quote*

### **JH Biotech**

#### °**SEAMAX**

1-0-0.8

Comprised of humic acid and kelp (Ascophyllum Nodosum) extracts Enhances micronutrient uptake, increases yields, promotes root development, and increases plant strength and vigor.

**-- FOB EO Warehouse, Texas --**

2,5 gal	\$22.50 /gal
5+ gal	\$21.00 /gal
20+ gal	\$20.50 /gal
80+ gal	\$20.00 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$19.50 /gal
80+ gal	\$19.00 /gal
Pallet (180 gal)	\$17.25 /gal

*Larger quantities - Call for quote*

### **DPH Biologicals**

#### °**PILLAR**

2-0-1 Micronutrient Blend

Supplies a variety of micronutrients

Complexed with lignosulfonate

**-- FOB EO Warehouse, Texas --**

**Clearance Price  
on In-Stock Inventory**

2.5 gal	3.00 /gal
5+ gal	3.00 /gal
275 gal tote	2.50 /gal

**-- FOB Mfr, IL --**

Drum - 30 gal	\$8.00 /gal
Pallet Tank	\$6.25 /gal
1000 gal (in totes)	\$6.10 /gal

*Larger Quantities - Call for quote*

### **Baicor Phyto-Plus**

#### OR**3% MOLYBDENUM**

Derived from Sodium Molybdate

**Direct Ship Only**

**-- FOB Mfr, UT --**

5 gal case	\$30.00 /gal
20+ gal	\$27.00 /gal
180 gal pallet	\$25.50 /gal

*Larger Quantities - Call for quote*

### **Baicor Phyto-Plus**

#### OR**3% COBALT COMPLEX**

Essential For Nitrogen fixing plants  
(Peas, Beans, Alfalfa, etc.)

**Direct Ship Only**

**-- FOB Mfr, UT --**

5 gal case	\$31.00 /gal
20+ gal	\$29.00 /gal
180 gal pallet	\$27.00 /gal

*Larger Quantities - Call for quote*

## MINOR ELEMENTS TRACE MINERALS

### COMPLEXED

#### **NRG**

#### **CALCIUM CHELATE**

6% Calcium, 0.5% Boron

Complexed Liquid, Efficient Uptake

**Not allowed for Organic production**

**Direct Ship Only**

**-- FOB Mfr, CA --**

Pallet Tank	\$5.25 /gal
1000 gal (in totes)	\$5.00 /gal

*Larger Quantities - Call for quote*



# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## MINOR ELEMENTS TRACE MINERALS

### AMINO ACID CHELATED

#### About Amino Acid Chelated Micronutrients

*Plants, like people, have a limited amount of energy that they are able (and willing!) to expend on their various life priorities.*

*Respiration and growth are obviously a couple of the biggies.*

*But reproduction and the immune system aren't far behind!*

*If we want plants to perform to their genetic potential, we should maximize a balanced nutrient supply, while we avoid taxing their limited energy supply needlessly.*

#### **And what does this have to do with micronutrients?**

*Micronutrients are critical to plant health, but only needed in very small amounts by the plant. Yet they can be lacking in the soil or outcompeted at the root level by the major nutrients. The good news is that a significant portion of the micronutrient nutrition that is needed for **balanced nutrient supply** can be supplied through foliar spraying - very efficiently.*

*The use of **micronutrients chelated with amino acids** supplies critically needed plant nutrition with **minimal plant energy expenditure**,*

*We are confident that the amino acid chelates offered in this section of the catalog provide super plant friendly micronutrient nutrition at an economical price.*

#### Albion OR **METALOSATE** MINERALS

Amino Acid Chelated  
Water Soluble Minerals

Apply foliar or through drip  
Designed for energy efficient and  
rapid mineral uptake

#### OR **COPPER**

16.0% Copper

#### OR **MANGANESE**

16.4% Manganese

#### OR **CALCIUM**

18.3% Calcium

#### OR **CALCIUM W/BORON**

13.0% Calcium, 5.0% Boron

#### OR **MAGNESIUM**

3.0% Magnesium

#### OR **ZINC**

19.3% Zinc

#### OR **IRON**

15.0% Iron

Pricing for all above products

#### -- FOB EO Warehouse, Texas --

5 lb (jug)	\$19.50 /lb
10+ lb	\$16.75 /lb
20+ lb	\$16.25 /lb
40+ lb	\$15.50 /lb
44 lb bag	\$13.75 /lb

#### -- FOB Mfr, UT / CA --

20+ lb	\$15.75 /lb
40+ lb	\$15.25 /lb
44 lb bag	\$13.25 /lb
220 lb (5 bags)	\$12.00 /lb

*Larger Quantities - Call for quote*

#### JH Biotech OR **BIOMINS**

Amino Acid Chelated  
Liquid Minerals

Apply foliar or through drip  
Designed for very efficient and  
rapid mineral uptake

#### OR **BIOMIN CALCIUM** (5.0% Ca)

#### OR **BIOMIN CAL-BORO LIGHT**

(5.0% Ca, 0.5% B)

#### OR **BIOMIN MAGNESIUM** (3.0% Mg)

#### OR **BIOMIN IRON** (5.0% Fe)

#### OR **BIOMIN MANGANESE** (5.0% Mn)

#### OR **BIOMIN ZINC** (7.0% Zn)

#### OR **BIOMIN COPPER** (4.0% CU)

#### OR **BIOMIN BOOSTER 126**

N, Mg, B, Cu, Fe, Mn, Zn  
w/Additional Zn

#### OR **BIOMIN BOOSTER 153**

N, Mg, B, Cu, Fe, Mn, Zn  
w/Additional Mn

Pricing for all above products

#### -- FOB EO Warehouse, Texas --

2.5 gal	\$21.50 /gal
5+ gal case	\$20.00 /gal
20+ gal	\$19.00 /gal
80+ gal	\$18.50 /gal

#### -- FOB Mfr, TX / CA / FL --

20+ gal	\$18.25 /gal
80+ gal	\$17.75 /gal
Pallet (180 gal)	\$16.15 /gal
Drum - 55 gal	\$15.80 /gal
Pallet Tank	\$15.00 /gal

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## MINOR ELEMENTS

### TRACE MINERALS

## AMINO ACID CHELATED (CONT)

### **JH Biotech**

#### **OR BIOMIN BORON**

3.0% Boron

Amino Acid Chelated Liquid Minerals

Apply foliar or through drip

Designed for very efficient and rapid mineral uptake

#### **-- FOB EO Warehouse, Texas --**

2.5 gal	\$19.00 /gal
5+ gal case	\$18.50 /gal
20+ gal	\$17.50 /gal
80+ gal	\$16.25 /gal

#### **-- FOB Mfr, TX / CA / FL --**

20+ gal	\$16.75 /gal
80+ gal	\$15.50 /gal
Pallet (180 gal)	\$13.50 /gal
Drum - 55 gal	\$13.00 /gal
Pallet Tank	\$12.75 /gal

*Larger Quantities - Call for quote*

### **Albion**

#### **OR METALOSATE MULTIMINERAL**

Amino Acid Chelated  
Water Soluble Minerals

Apply foliar or through drip

Designed for energy efficient and rapid mineral uptake

N/Ca/Mg/Cu/Fe/Mn/Zn

#### **-- FOB EO Warehouse, Texas --**

5 lb (jug)	\$20.00 /lb
10+ lb	\$17.50 /lb
20+ lb	\$17.00 /lb
40+ lb	\$16.25 /lb
44 lb bag	\$14.50 /lb
220 lb (5 bags)	\$13.00 /lb

#### **-- FOB Mfr, UT / CA --**

20+ lb	\$16.50 /lb
40+ lb	\$15.75 /lb
44 lb bag	\$14.00 /lb
220 lb (5 bags)	\$12.50 /lb

*Larger Quantities - Call for quote*

### **Albion**

#### **OR METALOSATE CROP UP**

Amino Acid Chelated  
Water Soluble Minerals

Apply foliar or through drip

Designed for very efficient and rapid mineral uptake

N/Mg/Cu/Fe/Mn/Zn

#### **-- FOB Mfr, UT / CA --**

20+ lb	\$16.50 /lb
40+ lb	\$15.75 /lb
44 lb bag	\$14.00 /lb
220 lb (5 bags)	\$12.50 /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

*Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency*

## "BIOSTIMULANTS",

## BOTANI-STIMULANTS,

## BIOFERTILIZERS

Naturally occurring substances which can "turn on" or "ramp up" a specific or wide range of plant metabolic functions. Applications should be properly timed and accompanied by plant nutritive inputs appropriate for high yield goals.

### **Ferti-Organic**

### ◦**SEAWEED/KELP**

Water Soluble

Natural Foliar Spray

Provides natural, balanced micronutrients and natural cytokinins for rapid uptake at critical growth points, Helps stimulate natural plant defenses and generally helps increase plant strength and vigor

#### **-- FOB EO Warehouse, Texas --**

50+ lb	\$7.00 /lb
250+ lb	\$6.50 /lb
1000+ lb	\$6.25 /lb
Pallet (50 lb bags)	\$6.00 /lb

*Larger Quantities - Call for quote*

### **JH Biotech**

### ◦**SEAMAX**

Humic acid and Kelp (Ascophyllum Nodosum) extracts Assists micronutrient uptake, increases yields, promotes root development

#### **-- FOB EO Warehouse, Texas --**

2,5 gal	\$22.50 /gal
5+ gal	\$21.00 /gal
20+ gal	\$20.50 /gal
80+ gal	\$20.00 /gal

#### **-- FOB Mfr, TX / CA / FL --**

20+ gal	\$19.50 /gal
80+ gal	\$19.00 /gal
Pallet (180 gal)	\$17.25 /gal

*Larger quantities - Call for quote*

### **Ferti-Organic**

### ◦**FULVIC PLUS ACID**

Soluble Powder - 90% Fulvic Buffers and assists plant nutrient uptake, esp in foliar formulations

#### **-- FOB EO Warehouse, Texas --**

50+ lb	\$5.45 /lb
250+ lb	\$5.00 /lb
1000+ lb	\$4.60 /lb
Pallet (50 lb bags)	\$4.30 /lb

*Larger Quantities - Call for quote*

*The following products, made with naturally occurring microbial species, are also found in the*

*"Soil Treatments" (page 9) and*

*"Seed and Seed Trench Treatments" (page 13).*

*These versatile organisms are relisted in this "Plant Nutrition" section to emphasize that they are very important in the release and cycling of nutrients in the soil. Results using these products are most efficiently used within a comprehensive program of biological crop inputs.*

*That said, these organisms have also been shown to be very effective in more conventional agricultural programs, especially when dealing with soils that are conducive to plant disease pathogens.*

### **DPH Biologicals**

### ◦**SP-1**

#### **Microbial Inoculant**

Stable liquid microbial formula. Supplies and stimulates diverse soil microbial life. Improves soil tilth and health.

#### **-- FOB EO Warehouse, Texas --**

2.5 gal	\$18.00 /gal
5+ gal	\$16.00 /gal
20+ gal	\$15.00 /gal

#### **-- FOB Mfr, IL --**

20+ gal	\$13.25 /gal
80+ gal	\$12.50 /gal
Drum - 30 gal	\$11.25 /gal
Pallet Tank	\$9.50 /gal
1000 gal (in totes)	\$9.25 /gal

*Larger Quantities - Call for quote*

### **DPH Biologicals**

### ◦**MVP**

#### **Microbial Inoculant**

Stable liquid microbial formula. Supplies and stimulates diverse soil microbial life. Improves soil tilth and health.

#### **-- FOB EO Warehouse, Texas --**

2.5 gal	\$15.00 /gal
5+ gal	\$13.50 /gal
20+ gal	\$12.50 /gal
Drum - 30 gal	\$11.00 /gal

#### **-- FOB Mfr, IL --**

20+ gal	\$10.50 /gal
80+ gal	\$10.00 /gal
Drum - 30 gal	\$9.00 /gal
Pallet Tank	\$7.00 /gal
1000 gal (in totes)	\$6.75 /gal

*Larger Quantities - Call for quote*

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

## "BIOSTIMULANTS" (cont)

### **Myco Apply**

#### **°ENDO MYCORRHIZAE**

##### **FUNGAL SPECIES**

Symbiotic with Plant Roots

Appropriate for a Wide Variety of Plants, Including Fruit and Nut Trees, Vegetables and Turfgrass.

#### **°GRANULAR ENDO**

4 species blend

For soil or media application

**Direct Ship Only**

-- FOB CA --

40+ lb	\$7.60 /lb
200+ lb	\$7.15 /lb
800+ lb	\$6.75 /lb

#### **°ULTRAFINE ENDO**

4 species blend

For dry or liquid application

Easily suspendable in water with minimal agitation

**Direct Ship Only**

-- FOB CA --

20+ lb	\$16.00 /lb
100+ lb	\$15.00 /lb
400+ lb	\$14.00 /lb

#### **°ENDO MAXX**

4 species blend

Concentrated wettable powder

10 grams treats approx 2.5 acres

1 bag treats approx 40 acres

**Direct Ship Only**

-- FOB CA --

1 bag (160 gm)	\$643.00 /bag
2 bags (320 gm)	\$636.00 /bag
4 bags (640 gm)	\$629.00 /bag
10 bags (1600 gm)	\$622.00 /bag

## **Mycorrhizal Relationships**

### **Endomycorrhizal Plants:**

←(See column left)

**90% of Plants—Most**

**Green, Leafy Plants and most**

**Commercially Produced Plants.**

**Shrubs and foliage plants**

**except Rhododendron, Azalea, and Heath;**

**Berries except blueberries, cranberries and lingonberries;**

**Nut trees except pecan, hazelnuts and filberts.**

**Flowers, Vegetables except**

**Brassicas and beets.**

**Cultivated grasses except weedy grasses;**

**Fruit trees including tropical fruits; many**

**Wetland/aquatic species except rushes and horsetails.**

### **Ectomycorrhizal Plants:**

(See column right)→

**5% of Plants—Mainly Conifers &**

**Oaks—also Pecans**

And then there are

the +/- 5% of plants that form

**Other** relationship types or are

**"Non-mycorrhizal" such as**

**Brassica –**

Broccoli, Cabbage, etc

**Ericaceae –**

Blueberry, Azalea, etc.

### **Myco Apply**

#### **°ENDO / ECTO**

#### **MYCORRHIZAE**

##### **FUNGAL SPECIES**

Symbiotic with Plant Roots

Appropriate for conifers, oaks, pecans, others.

#### **°GRANULAR ENDO / ECTO**

4 Endo / 7 Ecto Species

For soil or media application

**Direct Ship Only**

-- FOB CA --

40+ lb	\$13.25 /lb
200+ lb	\$12.50 /lb
800+ lb	\$11.50 /lb

#### **°ULTRAFINE ENDO / ECTO**

4 Endo / 7 Ecto Species

For any dry or liquid application

Easily suspendable in water with minimal agitation

**Direct Ship Only**

-- FOB CA --

20+ lb	\$20.25 /lb
100+ lb	\$19.00 /lb
400+ lb	\$17.80 /lb

#### **°SOLUBLE MAXX**

#### **ENDO / ECTO**

9 Endo / 10 Ecto Species

w/ Kelp and Humic Acid

Water soluble Soil Drench w/specially blended amendments.

**Direct Ship Only**

-- FOB CA --

1+ lb	\$45.75 /lb
4+ lb	\$42.75 /lb
20+ lb	\$40.00 /lb
100+ lb	\$37.65 /lb

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

## "BIOSTIMULANTS" (cont)

### NRG

#### ◦ACTIVATE SERIES

##### WATER SOLUBLE MICROBES

#### INDIVIDUAL BACTERIA SPECIES AND BLENDS

##### ◦ACTIVATE - PMSLA

B. pumilis, B. megaterium  
B. subtilis, B. licheniformis and  
B. amyloliquefaciens

5 bacillus species blend of  
bacteria spores. Improves soil  
nutrient recycling and maintains a  
healthy root environment.

##### ◦ACTIVATE - NF

B. megaterium, B. subtilis,  
B. licheniformis and B. sp.

4 bacillus species blend of  
Nitrogen-fixing bacteria spores  
These free living and root  
colonizing organisms fix soil  
nitrogen from the atmosphere

##### ◦ACTIVATE - A1005

Bacillus Subtilis

##### ◦ACTIVATE - A2004

Bacillus parabrevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens

##### ◦ACTIVATE - A2005

Bacillus brevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens.

#### Direct Ship Only

#### -- FOB Mfr, CA --

10+ lb	\$350.00 /lb
30+ lb	\$300.00 /lb
150+ lb	\$193.75 /lb

Larger Quantities - Call for quote

The **NRG Activate Series** of  
organisms have been shown to  
achieve desired results most  
effectively when applied into a  
'rich' soil with readily available  
organic food sources.

#### OR

when applied with natural food source,  
such as liquid fish, humic acids, etc,  
They work especially well when  
applied with NRG's proprietary food  
source: **Wake-Up Organo.**

These **Activate** species are  
selected for **individual**  
**characteristics** and are  
**combined as appropriate to**  
**achieve specific results in a**  
**particular crop and soil setting**  
**while creating synergistic effects**  
**on overall soil health.**

### NRG

#### ◦WAKE-UP ORGANO

##### Soluble Microbial Food

A proprietary rhizosphere-friendly blend  
of soluble nutrients. Stimulates rapid  
germination of Bacillus bacteria spores  
into active, growing cells.

Manufacturer recommended food  
source for all **Activate** Microbes

#### Direct Ship Only

#### -- FOB Mfr, CA --

30+ lb	\$16.00 /lb
150+ lb	\$15.00 /lb

Larger Quantities - Call for quote

### NRG

#### ◦ACTIVATE SERIES

##### WATER SOLUBLE MICROBES

##### COMBINED WITH

##### WAKEUP ORGANO (WUO)

#### INDIVIDUAL BACTERIA SPECIES AND BLENDS

MIXED WITH PROPRIETARY  
SOLUBLE FOOD SOURCES

##### ◦ACTIVATE PMSLA + WUO

5 bacillus species blend of  
bacteria spores

##### ◦ACTIVATE NF + WUO

4 bacillus species blend of  
bacteria spores

##### ◦ACTIVATE - A1005 + WUO

Bacillus Subtilis

##### ◦ACTIVATE - A2004 + WUO

Bacillus parabrevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens

##### ◦ACTIVATE - A2005 + WUO

Bacillus brevis, B. subtilis,  
B. licheniformis and  
B. amyloliquefaciens.

#### -- FOB EO Warehouse, Texas --

1 lb (pkg)	\$50.00 /lb
5.3 lb (bucket)	\$43.00 /lb

#### Direct Ship Only

#### -- FOB Mfr, CA --

5.3 lb (bucket)	\$41.00 /lb
31.8 lb (bucket)	\$34.00 /lb
159 lb (5 buckets)	\$31.50 /lb
1000+ lb	\$29.50 /lb

Larger Quantities - Call for quote



# Plant Protection

*Organic and natural pest solutions, with emphasis on beneficial insect compatibility*

## PESTS AND DISEASES

Organic and alternative pest control products selected for effectiveness, cost, safety, and compatibility with beneficials.

### **Agro Logistics**

OR **DEBUG ON**

Botanical Fungicide/Miticide

Clarified, Hydrophylic  
Extract of Neem Oil

**See also Trilogly**

-- **FOB EO Warehouse, Texas --**

2.5 gal	\$50.00 /gal
5+ gal	\$46.00 /gal
20+ gal	\$44.00 /gal
80+ gal	\$41.00 /gal
Pallet (180 gal)	\$38.50 /gal

*Larger quantities - Call for quote*

### **Agro Logistics**

OR **DEBUG TRES**

Insect Growth Regulator

Active Ingredient - Azadirachtin

Repels adult pests and acts as insect growth regulator on immature stages.

**See also Neemix**

-- **FOB EO Warehouse, Texas --**

1 gal	\$715.00/gal
4+ gal	\$685.00/gal
20+ gal	\$660.00/gal
80+ gal	\$645.00/gal
Pallet (144 gal)	\$630.00/gal

*Larger quantities - Call for quote*

### **AGBITECH**

OR **HELIGEN**

Insecticidal Virus

Specifically for Corn Earworm

aka Cotton Bollworm, Tomato Fruitworm,  
Sorghum Headworm

-- **FOB Texas --**

1+ qt	\$165.00 /qt
1+ gal	\$585.00 /gal
2+ gal	\$570.00 /gal
12+ gal	\$555.00 /gal
20+ gal	\$540.00 /gal

*Larger quantities - Call for quote*

### **Bayer**

OR **SERENADE ASO**

Bacillus subtilis  
strain QST 713

Live Microbial Product  
Bactericide and Fungicide  
labeled for foliar and soil use.

-- **FOB EO Warehouse, Texas--**

**Clearance Pricing on  
In-Stock Inventory**

30 gal available @ \$25.00 /gal

*See Clearance page for more info*

-- **FOB MFR --**

5+ gal	\$40.50 /gal
20+ gal	\$39.50 /gal
80+ gal	\$39.00 /gal
Pallet (180 gal)	\$38.50 /gal

*Larger Quantities - Call for quote*

### **Brandt**

OR **NEMA Q**

Saponins of Quillaja Saponaria

For control of plant-parasitic nematodes  
in vineyards, orchards, field crops, turf,  
ornamentals

**Direct Ship Only**

-- **FOB Mfr, CA / IL --**

5 gal	\$110.00 /gal
10+ gal	\$102.50 /gal
20+ gal	\$99.00 /gal
80+ gal	\$96.25 /gal
Pallet (160 gal)	\$87.00 /gal

*Larger Quantities - Call for quote*

### **Brandt (Imerys Minerals)**

OR **CELITE 610**

Diatomaceous Earth

Broad Spectrum Label

-- **FOB EO Warehouse, Texas--**

40+ lb (40 lb bags)	\$1.80 /lb
240+ lb (40 lb bags)	\$1.70 /lb
Pallet (840+ lb)	\$1.55 /lb

-- **FOB Mfr, CA / IL --**

Pallet (840+ lb)	\$1.38 /lb
3+ Pallets (2520+ lb)	\$1.35 /lb
16+ Pallets (13440+ lb)	\$1.32 /lb

*Larger quantities - Call for quote*

### **Brandt**

OR **TRESOIL**

Mineral Oil for Foliar Use

Fungicide, Insecticide, and Miticide  
Reverse emulsion - small droplet size  
Fungicide, Insecticide, and Miticide

**Direct Ship Only**

-- **FOB Mfr, FL --**

Pallet Tank (250 gal)	<b>Quote</b> /gal
3 Pallet Tanks	<b>Quote</b> /gal

*Larger quantities - Call for quote*

### **Brandt**

OR **TRI TEK**

Mineral Oil for Foliar Use

Reverse emulsion - small droplet size,  
excellent spreading characteristics.  
Fungicide, Insecticide, and Miticide

-- **FOB EO Warehouse, Texas --**

2.5 gal	\$21.50 /gal
5+ gal	\$21.00 /gal
20+ gal	\$20.00 /gal
80+ gal	\$18.00 /gal

-- **FOB Mfr, CA / IL --**

20+ gal	\$17.50 /gal
80+ gal	\$15.50 /gal
Pallet (240 gal)	\$15.00 /gal
3 Pallets (720 gal)	\$14.50 /gal

*Larger Quantities - Call for quote*

### **Brandt**

OR **LIME SULFUR**

Calcium Polysulfide

Fungicide

*Caution: Burn Potential on many plants,  
especially in hot weather*

-- **FOB EO Warehouse, Texas --**

2.5 gal	\$16.25 /gal
5+ gal	\$14.00 /gal
20+ gal	\$13.00 /gal
80+ gal	\$12.50 /gal

-- **FOB Mfr, CA --**

20+ gal	\$10.25 /gal
80+ gal	\$10.00 /gal
Pallet (180 gal)	\$8.50 /gal

*Larger quantities - Call for quote*

# Plant Protection

*Organic and natural pest solutions, with emphasis on beneficial insect compatibility*

## PESTS AND DISEASES, (CONT)

### **Certis**

**OR BOTEGBA ES**

Liquid - Emulsifiable

Beauveria Bassiana

Insecticide - Parasitic Fungus

**-- FOB EO Warehouse, Texas --**

1 gal	\$290.00 /gal
4+ gal	\$280.00 /gal
20+ gal	\$270.00 /gal
80+ gal	\$255.00 /gal
Pallet (144 gal)	\$245.00 /gal

*Larger quantities - Call for quote*

### **Certis**

**OR CARB-0-NATOR**

Potassium Bicarbonate

Broad spectrum, contact fungicide

**-- FOB EO Warehouse, Texas --**

**Clearance Price on  
In-Stock Inventory**

110 lb available @ \$8.00 /lb

*See Clearance page for more info*

### **Certis**

**OR CUEVA**

Copper Octoanate (Soap)

Bacteriacide, Fungicide

Broad spectrum, low burn potential

Low toxicity potential

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$47.00 /gal
5+ gal	\$43.50 /gal
20+ gal	\$42.00 /gal
80+ gal	\$40.00 /gal
Pallet (180 gal)	\$38.50 /gal

*Larger quantities - Call for quote*

### **Certis**

**OR DES-X**

Insecticidal Soap

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$38.50 /gal
5+ gal	\$35.00 /gal
20+ gal	\$34.75 /gal
80+ gal	\$32.75 /gal
Pallet (180 gal)	\$31.50 /gal

*Larger Quantities - Call for quote*

### **Certis**

**OR DOUBLE NICKEL LC**

Bacillus amyloliquefaciens  
strain D747 (Liquid)

Fungicide/Bacteriacide

Broad spectrum preventive biofungicide  
for control or suppression of fungal  
and bacterial plant diseases.

Use in soil or as foliar.

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$75.00 /gal
5+ gal	\$69.00 /gal
20+ gal	\$67.50 /gal
80+ gal	\$63.75 /gal
Pallet (180 gal)	\$61.50 /gal

*Larger Quantities - Call for quote*

### **Certis**

**OR DOUBLE NICKEL 55**

Bacillus amyloliquefaciens  
strain D747 (Dry)

Fungicide/Bacteriacide

Dry Formulation -

Same uses as Double Nickel LC above

**-- FOB EO Warehouse, Texas --**

5+ lb	\$35.50 /lb
20+ lb	\$32.50 /lb
100+ lb	\$31.50 /lb
Pallet (720 lb)	\$30.50 /lb

*Larger Quantities - Call for quote*

### **Certis**

**OR GEMSTAR**

Insecticidal Virus

Specifically for Corn Earworm

aka Cotton Bollworm, Tomato Fruitworm,  
Sorghum Headworm

**-- FOB EO Warehouse, Texas --**

1+ qt	\$70.00 /qt
2+ qt	\$68.00 /qt
6+ qt	\$58.00 /qt
30+ qt	\$51.00 /qt

*Larger quantities - Call for quote*

### **Certis**

**OR JAVELIN WG (Bt)**

Bacillus thuringiensis  
kurstaki strain

Organically approved for control  
of most worm species.

**-- FOB EO Warehouse, Texas --**

5+ lb	\$18.00 /lb
20+ lb	\$16.00 /lb
100+ lb	\$15.50 /lb
Pallet (720 lb)	\$15.25 /lb

*Larger quantities - Call for quote*

### **Certis**

**OR LIFEGARD**

Naturally occurring bacterium which  
triggers the plant's natural defense  
mechanism to fight against disease

**-- FOB EO Warehouse, Texas --**

1+ lb	\$158.00 /lb
4+ lb	\$148.00 /lb
20+ lb	\$145.00 /lb
100+ lb	\$138.00 /lb
200+ lb	\$134.00 /lb

*Larger quantities - Call for quote*

# Plant Protection

*Organic and natural pest solutions, with emphasis on beneficial insect compatibility*

## PESTS AND DISEASES, (CONT)

### **Certis**

**OR NEEMIX 4.5**

Insect Growth Regulator

Active Ingredient - Azadirachtin

Repels adult pests and acts as insect growth regulator on immature stages.

**-- FOB EO Warehouse, Texas --**

1 qt	\$206.00 /qt
2+ qt	\$199.00 /qt
6+ qt	\$194.00 /qt
30+ qt	\$187.00 /qt

*Larger quantities - Call for quote*

### **Certis**

**OR PFR 97**

Isaria fumosorosea (Live Product)

Broad spectrum microbial insecticide for foliar and soil applications

*Must be refrigerated for long term storage*

**Direct Ship Only**

**-- FOB Mfr, CA / WA --**

20+ lb	\$46.75 /lb
100+ lb	\$37.75 /lb
400+ lb	\$36.75 /lb

*Larger quantities - Call for quote*

### **Certis**

**OR SEDUCE**

Insect Bait w/Spinosad

Attracts and kills

ants, earwigs, and cutworm.

**-- FOB EO Warehouse, Texas --**

50+ lb	\$5.15 /lb
250+ lb	\$4.90 /lb
1000+ lb	\$4.50 /lb
Pallet (40 - 50 lb bags)	\$4.40 /lb

*Larger quantities - Call for quote*

### **Certis**

**OR SIL-MATRIX**

Liquid Potassium Silicate

Fungicide/Miticide/Insecticide

Aids in control of foliar fungal diseases.

Also controls mites and other sucking insect infestations by inhibiting damage through a physical silicon matrix barrier and by causing insect dessication.

**Very pH sensitive**

**See our website for important usage notes**

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$33.75 /gal
5+ gal	\$30.25 /gal
20+ gal	\$29.50 /gal
80+ gal	\$27.75 /gal
Pallet (180 gal)	\$26.85 /gal

*Larger quantities - Call for quote*

### **Certis**

**OR TRILOGY**

Botanical Fungicide/Miticide

Clarified, Hydrophylic

Extract of Neem Oil

**See also Debug ON**

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$66.00 /gal
5+ gal	\$60.00 /gal
20+ gal	\$58.00 /gal
80+ gal	\$54.50 /gal
Pallet (180 gal)	\$52.75 /gal

*Larger quantities - Call for quote*

### **Dow**

**OR ENTRUST SC**

Spinosad (liquid)

Provides control of worms, thrip, leafminer, psyllid and more

See label and our website

for more information

**-- FOB EO Warehouse, Texas --**

1+ qt	\$520.00 /qt
4+ qt	\$515.00 /qt
8+ qt	\$510.00 /qt
16+ qt	\$506.00 /qt

*Larger Quantities - Call for quote*

### **Ferti-Organic**

**°FERTI-NEEM OIL**

Cold Pressed Neem Oil

Insect Growth Regulator

Repellent, Anti Feedant, and Fungicide

**-- FOB EO Warehouse, Texas --**

1 gal	\$57.50 /gal
4+ gal	\$55.00 /gal
5+ gal	\$52.50 /gal
20+ gal	\$49.50 /gal
80+ gal	\$47.00 /gal
Pallet (160 gal)	\$44.50 /gal
Drum - 55 gal	\$46.00 /gal
Drums 4-55 gal	\$44.00 /gal

*Larger Quantities - Call for quote*

### **Intl Sulfur**

**YELLOW JACKET  
FLOWABLE SULFUR**

Sprayable Sulfur

Broad spectrum miticide and fungicide

**NOT ALLOWED FOR ORGANIC**

**-- FOB EO Warehouse, Texas --**

**Clearance Price on In-Stock Inventory**

80 gal available @ \$8.00 /gal

*See Clearance page for more info*

**-- FOB Mfr, TX --**

Pallet (180 gal) **Quote** /gal

*Larger Quantities - Call for quote*

### **JH Biotech**

**OR BIOREPEL**

Natural Insect Repellant

Garlic Based Anti-Feedant, Repellant

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$56.00 /gal
5+ gal	\$54.00 /gal
20+ gal	\$52.50 /gal
80+ gal	\$49.00 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$51.75 /gal
80+ gal	\$48.25 /gal
Pallet (180 gal)	\$42.00 /gal
Drum - 55 gal	\$44.50 /gal
Drums 4-55 gal	\$41.50 /gal

*Larger Quantities - Call for quote*



# Plant Protection

Organic and natural pest solutions, with emphasis on beneficial insect compatibility

## PESTS AND DISEASES, (CONT)

### JH Biotech FOSPHITE

Mono and Dipotassium  
Salts of Phosphorous Acid  
Systemic fungicide / growth promoter  
**NOT ALLOWED FOR ORGANIC**

-- FOB EO Warehouse, Texas --  
**Clearance Price on In-Stock Inventory**  
30 gal available @ \$25.00 /gal  
See Clearance page for more info

-- FOB Mfr, TX / CA / FL --  
20+ gal \$45.00 /gal  
80+ gal \$43.50 /gal  
Drum (55 gal) \$40.00 /gal  
Pallet (180 gal) \$40.00 /gal  
Larger quantities - Call for quote

### KeyPlex

#### OR KEYPLEX 350 OR

Yeast Hydrolysate from  
*Saccharomyces cerevisiae*  
Fungicide  
Foliar spray aids in the prevention of  
certain plant diseases such as  
post-bloom fruit drop and  
greasy spot diseases of citrus,  
and bacterial leaf spot of tomatoes.  
Elicits production of defensive proteins  
in certain plants. See Label.

-- FOB EO Warehouse, Texas --  
2.5 gal \$43.00 /gal  
5+ gal \$41.50 /gal  
20+ gal \$40.00 /gal  
80+ gal \$36.00 /gal

-- FOB Mfr, FL --  
80+ gal \$34.00 /gal  
Pallet (180 gal) \$33.00 /gal  
Larger Quantities - Call for quote

### Terramera

#### OR NEEM OIL

Cold Pressed Neem Oil

-- FOB EO Warehouse, Texas --  
**Clearance Price on In-Stock Inventory**  
165 gal available @ \$15.00 /gal  
See Clearance page for more info

### Perma-Guard OR GRAIN OR SEED STORAGE INSECTICIDE D-10

Diatomaceous Earth  
Controls pests in grain storage

**Direct Ship Only**  
-- FOB Mfr, UT --  
Pallet (50 lb bags) \$0.48 /lb  
13+ Pallets \$0.37 /lb  
Van Truckload \$0.32 /lb  
Larger Quantities - Call for quote

### Perma-Guard FIRE ANT INSECTICIDE D-20

Diatomaceous Earth w/Pyrethrins  
and Piperonyl Butoxide (PBO)  
Use as dry powder or mix with water  
to control fire ant infestations.

**NOT ALLOWED FOR ORGANIC**

**Direct Ship Only**  
-- FOB Mfr, TX --  
150+ lb \$5.75 /lb  
750+ lb \$5.50 /lb  
Pallet (30 lb bags) \$5.15 /lb  
Larger Quantities - Call for quote

### Valent

#### OR DIPEL DF (Bt)

Bacillus thuringiensis  
*kurstaki* strain ABTS-351  
Organically approved for control of  
most worms. See label and our  
website for specifics.

-- FOB EO Warehouse, Texas --  
1 lb \$18.00 /lb  
5+ lb \$15.25 /lb  
30+ lb \$15.00 /lb  
150+ lb \$14.25 /lb  
Pallet (630 lb) \$13.50 /lb  
Larger Quantities - Call for quote

### Valent

#### OR XENTARI (Bt)

Bacillus thuringiensis  
*aizawai* strain ABTS-1857  
Organically approved for control of  
most worms. See label and our  
website notes for specifics.

-- FOB EO Warehouse, Texas --  
5+ lb \$18.75 /lb  
30+ lb \$18.25 /lb  
150+ lb \$17.50 /lb  
Pallet (630 lb) \$16.50 /lb  
Larger Quantities - Call for quote

### Valent

#### OR PYGANIC 1.4%

Broad Spectrum  
Contact Insecticide  
Derived from Chrysanthemums.  
**pH sensitive**

See our website for important usage notes

-- FOB EO Warehouse, Texas --  
1 qt \$53.50 /qt  
1 gal \$210.00 /gal  
4+ gal \$202.50 /gal  
20+ gal \$198.00 /gal  
80+ gal \$196.00 /gal  
Pallet (144 gal) \$192.50 /gal  
Larger Quantities - Call for quote

### Valent

#### OR PYGANIC 5.0%

Broad Spectrum  
Contact Insecticide  
Derived from Chrysanthemums  
**pH sensitive**

See our website for important usage notes

-- FOB Texas --  
1 gal \$550.00 /gal  
2+ gal \$535.00 /gal  
6+ gal \$522.50 /gal  
20+ gal \$511.00 /gal  
Larger Quantities - Call for quote

# Plant Protection

*Organic and natural pest solutions, with emphasis on beneficial insect compatibility*

## PESTS AND DISEASES, (CONT)

**Valent**

OR **AZERA**

Dual Mode of Action

Azadirachtin and Pyrethrins

Kills on contact and/or by ingestion

**-- FOB EO Warehouse, Texas --**

1 gal                      \$345.00 /gal

4+ gal                    \$337.00 /gal

20+ gal                  \$330.00 /gal

*Larger quantities - Call for quote*

## PESTS AND DISEASES,

**H2O2/PAA**

*The products in the next column  
each contain*

**Hydrogen Peroxide (H2O2) and  
Peroxyacetic Acid (PAA).**

*This combination has been proven to  
quickly destroy microbes upon  
contact.*

*With good spray coverage, these  
products can slow/stop fungal and  
bacterial disease leaf infections in a  
matter of hours. A very desirable  
product to have in the toolkit!*

*However, the organisms killed on the  
plants include beneficial microbes that  
normally live on healthy  
leaves and stems.*

*For that reason - as part of an*

**"IMM"**

**(Integrated Microbe Management)**

*program.*

*We strongly recommend that within a  
day (or same day) of using these  
products in the field, a foliar  
application of beneficial microbes and  
natural food sources be made to the  
plant.*

*This foliar application of beneficial  
microbes and/or food sources will help  
to quickly restore one of the major  
natural defense mechanisms of the  
plant - a layer of highly competitive  
beneficial organisms on the plant  
surface.*

## **Jet Harvest Solutions**

OR **JET AG**

H2O2 and PAA

Field Label - Contact Kill

Broad Spectrum Activity Against a Wide  
Range of Plant Pathogens

**Direct Ship Only**

**-- FOB Mfr, Various --**

Jug - 5 gal                      \$32.00 /gal

Drum - 30 gal                  \$30.50 /gal

Drum - 55 gal                  \$28.00 /gal

Drums 4-55 gal                \$27.00 /gal

Pallet Tank                    \$26.00 /gal

*Larger quantities - Call for quote*

**Biosafe**

OR **OXIDATE 5.0**

H2O2 and PAA

Field Label - Contact Kill

Broad Spectrum Activity Against a Wide  
Range of Plant Pathogens

**Direct Ship Only**

**-- FOB Mfr, CT --**

2.5 gal                          \$35.00 /gal

5+ gal                           \$32.00 /gal

Drum - 30 gal                  \$31.00 /gal

Drum - 55 gal                  \$29.50 /gal

Drums 4-55 gal                \$28.50 /gal

Pallet Tank                    \$28.00 /gal

*Larger quantities - Call for quote*

**Brandt**

OR **PERAGREEN 5.6%**

H2O2 and PAA

Field and Processing Label

Broad Spectrum Activity Against a Wide  
Range of Plant Pathogens

**Direct Ship Only**

**-- FOB Mfr, CA / IL --**

5 gal                              \$26.00 /gal

20 gal                           \$25.00 /gal

80 gal                           \$24.00 /gal

Drum - 27.45 gal              \$20.00 /gal

Drum - 52.79 gal              \$18.75 /gal

Drums 4-52.79 gal            \$18.00 /gal

Pallet Tank                    \$17.50 /gal

*Larger Quantities - Call for quote*

# Plant Protection

*Organic and natural pest solutions, with emphasis on beneficial insect compatibility*

## PESTS AND DISEASES.

### ESSENTIAL OILS

Essential Plant Oils are being formulated into many plant pest control products today. They have the ability to both kill destructive pests on contact and confuse their sensory capabilities, rendering them unable to find their preferred food source or mate.

### **Agro Research**

OR **THYME GUARD**

Liquid Fungicide / Bacteriacide

**23% Thyme Oil**

Broad spectrum - works both on contact and systemically

**-- FOB EO Warehouse, Texas --**

1 qt	\$32.50 /qt
1 gal	\$117.00 /gal
4+ gal	\$112.00 /gal
2.5 gal	\$113.00 /gal
5+ gal	\$108.00 /gal
20+ gal	\$105.00 /gal
80+ gal	\$102.00 /gal

**-- FOB Mfr, FL --**

80+ gal	\$100.00 /gal
Pallet (180 gal)	\$96.00 /gal
Drum (55 gal)	\$91.00 /gal
Drums (4-55 gal)	\$89.00 /gal
Pallet Tank (275 gal)	\$86.00 /gal

*Larger Quantities - Call for quote*

### **JH Biotech**

OR **PEST OUT**

Pest Spray Oil

Cottonseed, Clove, and Garlic Oils  
Broad spectrum miticide/insecticide.

**-- FOB EO Warehouse, Texas --**

**Clearance Price on In-Stock Inventory**

8 gal available @ \$60.00 /gal

*See Clearance page for more info*

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$67.50 /gal
5+ gal	\$62.75 /gal
20+ gal	\$58.50 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$57.75 /gal
80+ gal	\$54.25 /gal
Pallet (180 gal)	\$52.00 /gal

*Larger quantities - Call for quote*

### **KeyPlex**

OR **ECOTROL PLUS**

Contains Rosemary and  
Peppermint Oils PLUS Geraniol  
Broad spectrum insecticide  
and miticide

**-- FOB EO Warehouse, Texas --**

1 gal	\$97.00 /gal
4+ gal	\$92.00 /gal
2.5 gal	\$97.00 /gal
5+ gal	\$92.00 /gal
20+ gal	\$91.00 /gal
80+ gal	\$87.00 /gal

**-- FOB Mfr, FL --**

80+ gal	\$83.00 /gal
Pallet (180 gal)	\$81.00 /gal
Pallet Tank (275 gal)	\$77.50 /gal

*Larger Quantities - Call for quote*

### **KeyPlex**

OR **SPORAN EC<sup>2</sup>**

Essential Oils Based  
(Rosemary, Clove, Thyme, et al)  
Broad spectrum fungicide  
controls Botrytis, Gray Mold, Powdery  
Mildews, Phytophthora, Late Blight, etc

**-- FOB EO Warehouse, Texas --**

1 gal	\$105.00 /gal
4+ gal	\$102.00 /gal
20+ gal	\$100.00 /gal
80+ gal	\$94.00 /gal

**-- FOB Mfr, FL --**

80+ gal	\$91.00 /gal
Pallet (144 gal)	\$89.00 /gal

*Larger Quantities - Call for quote*

# Plant Protection

*Organic and natural pest solutions, with emphasis on beneficial insect compatibility*

## WEED CONTROL

**JH Biotech**

**OR WEED ZAP**

Cinnamon Oil-Based

Non-selective herbicide

Effective on plants 4" in height or less

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$75.00 /gal
5+ gal	\$73.00 /gal
20+ gal	\$68.00 /gal
80+ gal	\$63.50 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$67.00 /gal
80+ gal	\$63.00 /gal
Pallet (180 gal)	\$56.75 /gal
Pallet Tank	\$54.75 /gal

*Larger Quantities - Call for quote*

**Fleischmann's Vinegar**

**OR VINAGREEN**

20% White Vinegar

WSDA certified as Herbicide

**-- FOB EO Warehouse, Texas --**

55 gal	\$7.00 /gal
110 gal	\$6.70 /gal
220 gal	<b>Quote /gal</b>

**-- FOB Mfr, AL / MO / CA --**

Drums 4-55 gal **Quote /gal**

*Larger Quantities - Call for quote*

**Agro Research**

**WEED SLAYER - KITT**

Liquid Organic Herbicide

Systemically acting, 2-Part Product  
with specific tank water pH requirement

Kills large grasses down to roots

**NOT ALLOWED FOR ORGANIC IN 4 STATES**

**-- FOB EO Warehouse, Texas --**

2 qt	\$65.00 /qt
2 gal	\$114.00 /gal
4 gal	\$105.00 /gal
5 gal	\$100.00 /gal
20+ gal	\$95.00 /gal
80+ gal	\$93.00 /gal

*Larger Quantities - Call for quote*

**Certis**

**OR HOME PLATE**

Total Vegetation Killer

Fast Acting, Kills within Hours  
Contact Spray to Burndown Weeds  
Non-Systemic and Non-Selective

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$70.00 /gal
5+ gal	\$65.00 /gal
20+ gal	\$63.00 /gal
80+ gal	\$60.00 /gal
Pallet (180 gal)	\$58.00 /gal
Pallet Tank	\$56.50 /gal

*Larger Quantities - Call for quote*

## ENVIRONMENTAL STRESS

**Sipcam/Advan**

**OCOCOON**

Sprayable Kaolinite

Now available in 25 lb bags

Provides plant and fruit surface  
protection; helps minimize sunburn and  
moisture stress on sensitive crops.

**-- FOB EO Warehouse, Texas --**

25 lb	\$1.30 /lb
200 lb	\$1.20 /lb
1000 lb	\$1.15 /lb

**-- FOB Mfr, CA --**

Pallet (1750 lb) \$0.87 /lb

*Larger Quantities - Call for quote*

**Certis**

**AGSIL 16H**

Foliar/Soil Available Bionutrient

Soluble source of potassium silicate.

**AgSil** applied in the soil or as foliar,  
aids the plant during periods  
of drought, extreme temperatures,  
cold, frost, heat stress, salinity,  
mineral toxicity (Al,Cd,As,Mn,Fe)  
and other abiotic stresses.

**NOT ALLOWED FOR ORGANIC**

**-- FOB EO Warehouse, Texas --**

50+ lb	\$5.75 /lb
250+ lb	\$5.40 /lb
1000+ lb	\$5.20 /lb
Pallet (50 lb bags)	\$5.00 /lb

*Larger Quantities - Call for quote*

# Water Treatments

*Surfactants, Wetting Agents, Disinfectants, Equipment Cleaners and more*

## POST-HARVEST

The proper Post-Harvest treatment of vegetables can help prevent spoilage and increase the shelf life of produce.

*The products on this page are labeled for post-harvest use and all contain Hydrogen Peroxide (H2O2) and Peroxyacetic Acid (PAA). This combination has been proven to quickly destroy microbes upon contact. The killing power of these products only lasts a few hours and leaves behind mostly plain water – no clean up necessary!*

### **Biosafe**

#### °**SANIDATE 5.0**

Post Harvest Sanitizer

H2O2 / Peroxyacetic Acid (PAA)

Broad efficacy against food spoilage organisms

#### **Direct Ship Only**

**-- FOB Mfr, CT --**

2.5 gal	\$41.00 /gal
5 gal	\$36.00 /gal
Drum - 30 gal	\$33.00 /gal
Drum - 55 gal	\$30.00 /gal
Drums 4-55 gal	\$29.00 /gal
Pallet Tank	\$27.00 /gal

*Larger Quantities - Call for quote*

### **Jet Harvest Solutions**

#### °**JET OXIDE - 5%**

Post Harvest Sanitizer

H2O2 / Peroxyacetic Acid (PAA)

Broad efficacy against food spoilage organisms

#### **Direct Ship Only**

**-- FOB Mfr, MO --**

Jug - 5 gal	\$27.50 /gal
Drum - 30 gal	\$25.00 /gal
Drum - 55 gal	\$22.00 /gal
Drums 4-55 gal	\$21.00 /gal
Pallet Tank	\$20.50 /gal

*Larger Quantities - Call for quote*

### **Jet Harvest Solutions**

#### °**JET OXIDE - 15%**

Post Harvest Sanitizer

H2O2 / Peroxyacetic Acid (PAA)

Broad efficacy against food spoilage organisms

#### **Direct Ship Only**

**-- FOB Mfr, Various --**

Drum - 30 gal	\$26.00 /gal
Drum - 55 gal	\$23.00 /gal
Drums 4-55 gal	\$22.00 /gal
Pallet Tank	\$21.00 /gal

*Larger Quantities - Call for quote*

### **Brandt**

#### OR **PERAGREEN 5.6%**

H2O2 / Peroxyacetic Acid (PAA)

Field and Process Sanitizer

Broad efficacy against plant pathogens and food spoilage organisms

#### **Direct Ship Only**

**-- FOB Mfr, CA / IL --**

5 gal	\$26.00 /gal
20 gal	\$25.00 /gal
80 gal	\$24.00 /gal
Drum - 27.45 gal	\$20.00 /gal
Drum - 52.79 gal	\$18.75 /gal
Drums 4-52.79 gal	\$18.00 /gal
Pallet Tank	\$17.50 /gal

*Larger Quantities - Call for quote*

### **Brandt**

#### OR **PERAGREEN 15%**

H2O2 / Peroxyacetic Acid (PAA)

Process Sanitizer

Highly concentrated, broad efficacy against plant pathogens and food spoilage organisms

#### **Direct Ship Only**

**-- FOB Mfr, CA / IL --**

Drum - 27.45 gal	\$21.00 /gal
Drum - 52.79 gal	\$20.00 /gal
Drums 4-52.79 gal	\$19.50 /gal
Pallet Tank	\$18.75 /gal

*Larger Quantities - Call for quote*



# Water Treatments

*Surfactants, Wetting Agents, Disinfectants, Equipment Cleaners and more*

## IRRIGATION

*Plant and Soil health is heavily influenced by water quality. Treating poor quality water can be the most cost effective method of improving soil drainage and foliar spray efficiencies, resulting in improvements to crop yield and quality.*

### **Diamond K** ◦GYPSUM **SOLUTION GRADE 97**

Calcium Sulfate

Water soluble powder; can be applied through drip or pivot

**-- FOB EO Warehouse, Texas --**

50+ lb	\$0.43 /lb
250+ lb	\$0.40 /lb
1000+ lb	\$0.37 /lb
Pallet (50 lb bags)	\$0.35 /lb

**-- FOB Mfr, UT --**

Pallet (50 lb bags)	\$0.08 /lb
2000 lb Super Bag	\$0.08 /lb
3+ Super Bags	\$0.07 /lb

*Larger Quantities - Call for quote*

### OR**99.5% ELEMENTAL SULFUR**

Pastille Sulfur

Suitable for use in sulfur burners to improve irrigation water and soil environments

**-- FOB Mfr, TX --**

Pallet (50 lb bags)	<b>Quote /lb</b>
2000 lb Super Bag	<b>Quote /lb</b>
3+ Super Bags	<b>Quote /lb</b>

**-- FOB Mfr, AL --**

Pallet (50 lb bags)	<b>Quote /lb</b>
2000 lb Super Bag	<b>Quote /lb</b>
3+ Super Bags	<b>Quote /lb</b>

*Larger Quantities - Call for quote*

## **Brandt**

### **DRIP-RITE 1000**

Monocarbamide dihydrogen sulfate  
Excellent mineral deposit cleaner for irrigation systems

Not allowed for Organic crops in season  
*May be allowed as a cleaner in fallow fields - always check with Organic Certifier for guidance*

**Direct Ship Only**

**-- FOB Mfr, CA --**

Drum - 30 gal	\$8.00 /gal
Drum - 55 gal	\$7.50 /gal
Drums 4-55 gal	\$7.00 /gal
Pallet Tank	\$4.50 /gal

*Larger Quantities - Call for quote*

## **JH Biotech**

### ◦**NATURAL WET**

Contains Saponins derived from Yucca Plants  
10% Yucca compounds

Natural, non-Ionic surfactant  
Facilitates nutrient & water absorption

**-- FOB EO Warehouse, Texas --**

2.5 gal	\$22.00 /gal
5+ gal case	\$20.50 /gal
20+ gal	\$19.25 /gal
80+ gal	\$18.50 /gal

**-- FOB Mfr, TX / CA / FL --**

20+ gal	\$18.50 /gal
80+ gal	\$17.75 /gal
Pallet (180 gal)	\$16.25 /gal

*Larger Quantities - Call for quote*

## **Mizkan**

### ◦**12% VINEGAR**

### ◦**15% VINEGAR**

White Vinegar

pH adjuster and mineral deposit cleaner for irrigation systems

**Direct Ship Only**

**-- FOB Mfr TX / TN --**

Drums 4-55 gal **Quote /gal**

**Direct Ship Only**

**-- FOB Mfr TN --**

Pallet Tank **Quote /gal**

*Larger Quantities - Call for quote*

## **Diamond K** **AQUA DRIVE**

A non-ionic surfactant additive Improves soil wetting and penetration of treated irrigation water. Reduces the surface tension of water by as much as 60%, allowing water to flow in a more effective pattern through the soil profile.

Not allowed for Organic crops

**-- FOB EO Warehouse, Texas**

**Clearance Pricing on In-Stock Inventory**

70 gal available @ \$40.00 /gal

*See Clearance page for more info*

**-- FOB Mfr, UT --**

Pallet (180 gal) \$42.00 /gal

Pallet Tank \$39.00 /gal

*Larger Quantities - Call for quote*

# Livestock Feed & Supplements

## LIVESTOCK

Supplements and Health Aids  
Allowed for Organic and/or  
Grassfed Livestock Production

### Redmond

#### °NATURAL MINERAL SALT

Trace mineral source for livestock  
and crops - over 50 minerals

##### -- FOB EO Warehouse, Texas --

50+ lb	\$0.38 /lb
250+ lb	\$0.35 /lb
1000+ lb	\$0.34 /lb
Pallet (50 lb bags)	\$0.32 /lb

##### -- FOB Mfr, UT --

Pallet (50 lb bags)	\$0.12 /lb
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*Larger Quantities - Call for quote*

### Redmond

#### °NATURAL MINERAL SALT BLOCKS

Trace mineral source for livestock –  
In hard block form - over 50 minerals

##### -- FOB EO Warehouse, Texas --

44+ lb	\$0.43 /lb
220+ lb	\$0.40 /lb
1100+ lb	\$0.39 /lb
Pallet (44 lb blocks)	\$0.36 /lb

##### -- FOB Mfr, UT --

Pallet (44 lb blocks)	\$0.13 /lb
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*Larger Quantities - Call for quote*

### Redmond

#### OR ANTI-CAKING AGENT (aka CONDITIONER)

Colloidal, "exotic" trace mineral source  
for livestock

**For Livestock** - Restricted to amount  
needed for adequate nutrition

##### -- FOB EO Warehouse, Texas --

50+ lb	\$0.44 /lb
250+ lb	\$0.41 /lb
1000+ lb	\$0.40 /lb
Pallet (50 lb bags)	\$0.37 /lb

##### -- FOB Mfr, UT --

Pallet (50 lb bags)	\$0.17 /lb
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*Larger Quantities - Call for quote*

### Azomite Minerals

#### OR AZOMITE FIELD GRADE

1/8" to Powder

Natural volcanic and sedimentary trace  
mineral source for livestock and crops

**For Livestock** - Restricted to amount  
needed for adequate nutrition

##### -- FOB Mfr, TX --

1100+ lb	\$0.35 /lb
Pallet (44 lb bags)	\$0.34 /lb
3+ pallets (6600+ lb)	\$0.33 /lb
10+ pallets (22000+ lb)	\$0.32 /lb

*Larger Quantities - Call for quote*

### Perma-Guard

#### OR FOSSIL SHELL FLOUR

#### DIATOMACEOUS EARTH

Natural Silica Product

Animal feed additive

Promotes animal health by controlling  
internal parasites and absorbing toxins

**For Livestock** - Restricted to amount  
needed for adequate nutrition

##### -- FOB EO Warehouse, Texas --

50+ lb	\$0.85 /lb
250+ lb	\$0.80 /lb
1000+ lb	\$0.72 /lb

##### -- FOB Mfr, TX --

1000+ lb	\$0.58 /lb
Pallet (50 lb bags)	\$0.57 /lb

##### -- FOB Mfr, UT --

Pallet (50 lb bags)	\$0.40 /lb
13+ Pallets	\$0.30 /lb
Van Truckload	\$0.25 /lb

*Larger Quantities - Call for quote*

### Restora Life

#### OR MRX

Granular

Natural clay-based  
trace mineral supplement

##### Direct Ship Only

##### -- FOB Mfr, MS --

Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

*Larger Quantities - Call for quote*

### Thorvin

#### °KELP FOR ANIMALS

Feed supplement,  
Animal Health supplement

##### Direct Ship Only

##### -- FOB Mfr, VA --

Pallet (50 lb bags)	Quote /lb
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*Larger Quantities - Call for quote*

### Tidal Organics

#### °KELP MEAL

Feed supplement,  
Animal Health supplement

##### -- FOB EO Warehouse, Texas --

50+ lb	\$2.25 /lb
250+ lb	\$2.05 /lb
1000+ lb	\$1.90 /lb

##### -- FOB Mfr, TX --

Pallet (50 lb bags)	\$1.57 /lb
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*Larger Quantities - Call for quote*

# Livestock Feed & Supplements

## LIVESTOCK (CONT)

### Wick's Livestock Nutrition

ORGANIC

### APPLE CIDER VINEGAR

6% (60 grain)

#### Organic

Raw, unfiltered apple cider,  
Animal health supplement

-- FOB Mfr, NE --

Drum - (55 gal)	\$6.60 /gal
Drums (4-55 gal)	\$6.50 /gal
Pallet Tank (275 gal)	\$6.40 /gal

*Larger Quantities - Call for quote*

### Wick's Livestock Nutrition

### APPLE CIDER VINEGAR

6% (60 grain)

#### Conventional

Raw, unfiltered apple cider,  
Animal health supplement

(Allowed for Grassfed)

-- FOB Mfr, NE --

Drum - (55 gal)	\$4.25 /gal
Drums (4-55 gal)	\$4.20 /gal
Pallet Tank (275 gal)	\$4.15 /gal

*Larger Quantities - Call for quote*

### Apple Cider Vinegar

*has long been used as a digestion  
aid and general health tonic.*

*It can be supplemented in animal  
feed and water as a health  
promoter or as a way to increase  
feed and hay palatability. It can  
also be used in a "stand alone"  
feed wheel or lick tank. Wick's  
Apple Cider Vinegar comes with  
"the mother"*



# Miscellaneous

## EQUIPMENT

### Mazzei Venturi

#### Injectors

Venturi Injector for  
Commercial Agriculture

*Call to learn more*

### Diamond K

#### Gypsum Applicators

Simple, trouble free technology  
to apply gypsum and other slowly  
soluble minerals through your  
irrigation system

*Call to learn more*

### Jet Harvest Solutions

#### Test Strips

#### JH 3000 (0 - 160 ppm)

Use to monitor and maintain  
recommended peracetic acid  
levels in post-harvest handling of  
produce.

*Call to learn more*

### Garden Moisture Meters

*What's not to like?*

Simple and inexpensive meters  
that indicate whether the garden  
soil is wet, moist, or dry

*Call to learn more*

## HARD TO CLASSIFY

### Soil Mender

#### ◦EARTHWORM CASTINGS

-- FOB EO Warehouse, Texas --

40+ lb	\$1.15 /lb
400+ lb	\$1.10 /lb
1000+ lb	\$1.05 /lb

-- FOB Mfr, TX --

1000 lb	\$0.94 /lb
Pallet (40 lb bags)	\$0.80 /lb
Pallet (super bag)	\$0.77 /lb

*Larger Quantities - Call for quote*

### Ferti-Organic

#### ◦FERTI-NEEM CAKE

Neem Cake 100%

Azadirachtin 1000 ppm

Mix in the soil and around plants to  
increase resistance to pathogens,  
aerate soil and enrich soil nutrients, and  
encourage growth of beneficial flora

-- FOB EO Warehouse, Texas --

50+ lb	\$2.75 /lb
250+ lb	\$2.65 /lb
1000+ lb	\$2.55 /lb
Pallet (50 lb bags)	\$2.40 /lb

*Larger Quantities - Call for quote*

### DPH Biologicals

#### ◦RESIDUCE WS

Fungal Decay Organisms

Creates rapid, comprehensive, and  
nutrient-efficient breakdown of  
crops, manure, and pesticide  
residues through use of selected  
fungal micro-organisms. *See also page 8*

*Usage Rates 1 - 3 oz*

**Direct Ship Only**

-- FOB Mfr, IL --

1+ lb	\$135.00 /lb
5+ lb	\$115.00 /lb
10+ lb	\$100.00 /lb
30+ lb	\$96.00 /lb

*Larger Quantities - Call for quote*

### Westway

#### ◦MOLASSES

Soil Energy Amendment

Molasses can be used to stimulate soil  
microbial life. It can also be used as a  
foliar or soil amendment in higher  
amounts to slow the growth of the plant  
temporarily by tying up excess nitrogen

1 ton of molasses

will equal about 170 gallons..

**Not allowed for Organic Animals**

**Direct Ship Only**

-- FOB Mfr, TX, TN, etc --

Pallet Tank	\$480.00 /ton
4 Pallet Tanks	\$460.00 /ton
Bulk Truckload	<b>Quote /ton</b>

*Larger Quantities - Call for quote*