

# **Earthwise Organics, Inc.**

## **AGRICULTURE PRODUCT LIST – April 2024**

To Our Customers:

**The Spring Catalog is here!**

**Winter is behind us and this is the year it's all going to come together - that was my New Year resolution anyway! Harvest has wound down for the winter vegetables in the South and California, while everywhere else Spring planting is in full swing. And with every passing season the organic/biological/sustainable sector of agriculture is trending more mainstream. That's a good thing!**

"Natural Growing" is becoming the default rather than the exception for farms, greenhouses, hydroponics, nurseries and even landscaping. We have been Natural Growing since 1983 - yes it's been that long! And after all these years. Earthwise still serves sustainable growers of all sizes and categories - from row crops to vegetables and beyond! As we have been saying for that loooooong time now: **"We specialize in everything from Alfalfa to Zucchini."**

As costs continue to rise for all of agriculture, using products wisely and systematically has never been more important. Synergy continues to be a heckuva bargain! To leverage this bargain, Earthwise has created detailed, "synergistic" **"organic growing plan"** templates for various crops upon request. These plans include recommended rates, timings, and products for organic crops - from 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 be adapted to enhance the efficiency of your particular crop production goals. **Let me repeat that - Synergy is a heckuva bargain!**

At Earthwise, we represent about 50 manufacturers and a very wide variety of products as seen in this catalog! We can usually ship same day when the need is there. Smaller growers can order a few bags and jugs of various products and combine them on a pallet for a significant savings in product and shipping costs. For larger growers our varied product line and expanded "direct ship" options are an important **money and time saver**. And with our customer base spread across the US, our additional shipping options help with product costs, freight costs, and just as importantly - transit times.

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 manufacturer and product names are in alphabetical order – just find the name and look for the page number to the left. This should make 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 that's hard to pass up!

**Earthwise 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!** One thing hasn't changed - You have the option to access our expertise and pricing at a time and place most convenient for you. Between the website, texts, emails and phone calls we are ready to help with our experience, knowledge, and product line.

We would like to thank all our customers for the opportunity to compete for your business. These first 28 years have been challenging, informative and rewarding, it's quite likely the future will be too!

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.

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**www.earthwiseagriculture.net**

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

# Index by Product Name

Page(s)	#
16	8-0-0 (GENESYS N-FORCE)
13, 23	98G
34	350 OR (KEYPLEX)
<u>7</u> , 21	719 SPREADER
<b>A</b>	
35	ACTINOVATE AG
11, 30	ACTIVATE MICROBES + WAKE UP ORGANO
11, 16, 30	ACTIVATE NF + WAKE UP ORGANO
<u>8</u> , 11, 30	ACTIVATE PMSLA + WAKE UP ORGANO
<u>7</u> , 12, 21	AG-AIDE
24, 37	AGSIL 25
16	ALLGANIC NITROGEN PLUS 15-0-2
40	ANTI-CAKING (REDMOND CONDITIONER)
41	APPLE CIDER VINEGAR (Conv)
41	APPLE CIDER VINEGAR (Organic)
<u>8</u> , 12, 39	AQUA DRIVE
17	AQUA POWER 5-1-1
34	AWP
35	AZERA
24, 40	AZOMITE NATURAL TRACE MINERAL
<b>B</b>	
25	BAICOR PHYTO PLUS COBALT
25	BAICOR PHYTO PLUS MOLY
26	BIOMIN BOOSTER 126
26	BIOMIN BOOSTER 153
27	BIOMIN BORON
26	BIOMIN CAL-BORO
26	BIOMIN CAL-BORO LIGHT
26	BIOMIN CALCIUM
26	BIOMIN COPPER
26	BIOMIN IRON
26	BIOMIN MAGNESIUM
26	BIOMIN MANGANESE
16	BIOMIN N 5-0-0
26	BIOMIN ZINC
22, 34	BIOREPEL
9, 22	BORREGRO HA-2 LIQUID HUMIC ACID
<u>7</u> , 32	BOTEGHA ES
14, 17	BROWN'S LIQUID FISH HYDROLYSATE
<b>C</b>	
25	CALCIUM CHELATE W/Boron
31	CELITE 610
21	CITRIC ACID
<u>7</u>	CMR ADJUVANT
25	COBALT
37	COCOON
40	CONDITIONER (REDMOND)
23	COPPER SULFATE
32	CUEVA

Don't forget about the clearance and overstocked items on pages 7 and 8

Page(s)	
18	<b>CHICKEN DERIVED PRODUCTS</b>
	10-2-0 POULTRY MEAL
16	NATURE SAFE 10-2-8 COARSE GRADE
16	NATURE SAFE 13-0-0 PELLETS / COARSE GRADE
<b>CHICKEN MANURE PRODUCTS</b>	
18	4-4-2 PELLETS
18	4-2-2 HEAT TREATED
18	4-3-2 PELLETS / GRANULAR
18	5-5-2 PELLETS
18	8-5-1 PELLETS
<b>D</b>	
<u>7</u> , 31	DEBUG ON
32	DES-X
40	DIATOMACEOUS EARTH (DE)
35	DIPEL DF
32	DOUBLE NICKEL 55
<u>7</u> , 32	DOUBLE NICKEL LC
17	DRAMMATIC O LIQUID FISH HYDROLYSATE
17	DRAMMATIC ONE LIQUID FISH HYDROLYSATE
39	DRIP RITE 1000
<b>E</b>	
14, 42	EARTHWORM CASTINGS
24	ECO-MIN
31	ECOTEC PLUS
15, 29	ENDO MYCORRHIZAL BLENDS
15, 29	ENDO / ECTO MYCORRHIZAL BLENDS
33	ENTRUST SC
<b>F</b>	
24	FERTIBOR
18	FERTIFY 2-8-4
35	FIRE ANT INSECTICIDE D-20
14, 17	FISH HYDROLYSATE - Brown's
17	FISH HYDROLYSATE - Drammatic
24	FLORA-STIM
<u>8</u> , 34	FOSPHITE
40	FOSSIL SHELL FLOUR (DE)
9, 22	FULMAX
9, 21, 28	FULVIC PLUS
<b>G</b>	
<u>7</u> , 32	GEMSTAR LC
35	GRAIN STORAGE INSECTICIDE D-10
24	GRANUBOR
13, 23, 39	GYPSUM - PREMIUM 97 SOLUBLE
<b>H</b>	
37	HOMEPLATE
9	HUMATES - 70% DRY
9, 21	HUMAX
9, 22	HUMIC ACID - 15% LIQUID
9, 21, 22	HUMIC ACID - SOLUBLE
<b>I</b>	
23	IRON (FERROUS) SULFATE
<b>J</b>	
32	JAVELIN
36	JET AG
38	JET OXIDE 5%
38	JET OXIDE 15%

# Index by Product Name

<b>Page(s)</b>		<b>Page(s)</b>	
	<b>K</b>		<b>P (cont)</b>
22	KARANJA OIL	<u>8</u> , 35	PYGANIC EC 1.4 II
25, 40, 42	KELP MEAL	<u>8</u> , 35	PYGANIC EC 5.0 II
34	KEYPLEX 350 OR		<b>R</b>
19	KMAG (TRIO)	40	REDMOND CONDITIONER
19	KMS 0-0-22-11-22	40	REDMOND FINE SALT
	<b>L</b>	40	REDMOND SALT BLOCKS
32	LIFEGARD	34	REGALIA
<u>7</u> , 31	LIME SULFUR	10, 42	RESIDUCE WS
	<b>M</b>	20	ROCK PHOSPHATE
23	MAGNESIUM SULFATE		<b>S</b>
23	MANGANESE SULFATE	40	SALT - FINE #10 (REDMOND)
<u>8</u> , 32	MELOCON LC	40	SALT BLOCKS (REDMOND)
<u>7</u> , 16	METALOSATE LIQUID N-P-K	38	SANIDATE 5.0
26	METALOSATE POWDER CALCIUM	25, 28	SEAWEED EXTRACT
26	METALOSATE POWDER CALCIUM W/BORON	25, 28	SEAMAX
26	METALOSATE POWDER COPPER	<u>8</u> , 33	SEDUCE
27	METALOSATE POWDER CROP UP	31	SERENADE ASO
26	METALOSATE POWDER IRON	<u>8</u> , 33	SIL-MATRIX
26	METALOSATE POWDER MAGNESIUM	<u>7</u> , 21	S-K-H STICKER
26	METALOSATE POWDER MANGANESE	33	SOILGARD
27	METALOSATE POWDER MULTIMINERAL	24	SOLUBOR
19	METALOSATE POWDER POTASSIUM	14, 20	SOLUPHOS SP
26	METALOSATE POWDER ZINC	10, 14, 28	SP-1
35	MICROTHIOL DISPERS	34	SPORAN EC2
12, 22	MIXWELL	13, 39	SULFUR - ELEMENTAL - 99.5%
10, 42	MOLASSES	13, 23	SULFUR (Soil) - 90%
25	MOLYBDENUM	<u>7</u> , 21	SUPER WETTER
40	MRX FOR LIVESTOCK		<b>T</b>
10, 14, 28	MVP	31	THYME GARD
14	MYCO SEED TREAT	31	TRES OIL
15, 29	MYCORRHIZAE	33	TRILOGY
	<b>N</b>	19	TRIO (KMAG) - GRANULAR AND STANDARD
16	N-FORCE 8-0-0	<u>7</u> , 31	TRITEK
12, 22, 39	NATURAL WET		<b>V</b>
10	NATURE'S SOLUTION	37	VINAGREEN
<u>8</u> , 42	NEEM CAKE	39	VINEGAR - 12%
33	NEEM OIL	39	VINEGAR - 15%
33	NEEMIX 4.5	41	VINEGAR – APPLE CIDER (Conv / Organic)
31	NEMA-Q		<b>W</b>
16	NITRO PLUS	11, 30	WAKE-UP ORGANO
16	NITROGEN PLUS 15-0-2 (ALLGANIC)	<u>7</u> , 37	WEED SLAYER KITT
17	NURSERY PLANT FOOD 10-4-5	37	WEED ZAP
	<b>O</b>	14, 42	WORM CASTINGS
17	ORGANIC PLANT FOOD 3-1-1		<b>X</b>
36	OXIDATE 5.0	35	XENTARI
33	OSO 5% SC		<b>Z</b>
	<b>P</b>	23	ZINC SULFATE
36, 38	PERAGREEN 5.6%		
38	PERAGREEN 15%		
34	PEST OUT		
<u>8</u> , 33	PFR-97		
<u>8</u> , 25	PILLAR		
10	PLANT PROBIOTIC		
19	POTASH (POTASSIUM CHLORIDE)		
19	POTASSIUM SULFATE		
<u>8</u> , 9, 22	POWER K HUMIC ACID		
19	PROTASSIUM+		
28	PRO GIBB LV PLUS		

Don't forget about the clearance  
and overstocked items on pages 7 and 8

# Index by Manufacturer

<i>Page(s)</i>	
<b>7, 31</b>	<b>Agro Logistics</b> DEBUG ON
	<b>Agro Research</b>
21	CITRIC ACID
31	THYME GARD
<b>7, 37</b>	WEED SLAYER KITT
	<b>Albion</b>
<b>7, 16</b>	METALOSATE LIQUID - N-P-K
26	METALOSATE POWDER - CALCIUM
26	METALOSATE POWDER - CALCIUM W/ BORON
26	METALOSATE POWDER - COPPER
27	METALOSATE POWDER - CROP UP
26	METALOSATE POWDER - IRON
26	METALOSATE POWDER - MAGNESIUM
26	METALOSATE POWDER - MANGANESE
27	METALOSATE POWDER - MULTIMINERAL
19	METALOSATE POWDER - POTASSIUM
26	METALOSATE POWDER - ZINC
	<b>Azomite</b>
24, 40	AZOMITE NATURAL TRACE MINERALS
	<b>Back To Earth</b>
14, 42	WORM CASTINGS
	<b>Bayer CropScience</b>
31	SERENADE ASO
	<b>Biosafe Systems</b>
36	OXIDATE 5.0
38	SANIDATE 5.0
	<b>Brandt/Monterey</b>
25	BAICOR COBALT
25	BAICOR MOLY
<b>7, 21</b>	BRANDT 719 SPREADER
31	BRANDT ECOTEC PLUS
23	BRANDT IRON (FERROUS) SULFATE - CRYSTAL
<b>7, 31</b>	BRANDT LIME SULFUR
<b>7, 12, 21</b>	BRANDT ORGANICS AG-AIDE
<b>7, 21</b>	BRANDT ORGANICS S-K-H STICKER
<b>7, 21</b>	BRANDT SUPER WETTER
31	CELITE 610
39	DRIP RITE 1000
31	NEMA-Q
36, 38	PERAGREEN 5.6%
38	PERAGREEN 15%
31	TRESOIL
<b>7, 31</b>	TRITEK

<i>Page(s)</i>	
13, 23	<b>Calcium Products</b> 98G
	<b>Certis</b>
24, 37	AGSIL 25
<b>7, 32</b>	BOTEGHA ES
32	CUEVA
32	DES-X
32	DOUBLE NICKEL 55
<b>7, 32</b>	DOUBLE NICKEL LC
<b>7, 32</b>	GEMSTAR LC
37	HOMEPLATE
32	JAVELIN
32	LIFEGARD
<b>8, 32</b>	MELOCON LC
33	NEEMIX 4.5
33	OSO 5% SC
<b>8, 33</b>	PFR-97
<b>8, 33</b>	SEDUCE
<b>8, 33</b>	SIL-MATRIX
33	SOILGARD
33	TRILOGY
	<b>Chem One</b>
23	COPPER SULFATE
23	MAGNESIUM SULFATE
23	MANGANESE SULFATE
23	ZINC SULFATE
	<b>Cold Spring Egg Farm</b>
18	CHICK MAGIC 4-3-2 PELLETS / GRANULAR
	<b>Compass Minerals</b>
19	POTASSIUM+
	<b>Corteva</b>
33	ENTRUST SC
	<b>CR Brown Enterprises</b>
14, 17	BROWN'S FISH HYDROLYSATE
	<b>Darling Ingredients</b>
16	NATURE SAFE 10-2-8 COARSE GRADE
16	NATURE SAFE 13-0-0 PELLETS
16	NATURE SAFE 13-0-0 COARSE GRADE
	<b>Diamond K</b>
<b>8, 12, 39</b>	AQUA DRIVE
13, 23, 39	PREMIUM 97 SOLUTION GRADE GYPSUM
19	KMS
19	ULTRA FINES SULFATE OF POTASH

# Index by Manufacturer

<i>Page(s)</i>	
	<b><i>DPH Biologicals</i></b>
10, 14, 28	MVP
14	MYCO SEED TREAT
<b>8</b> , 25	PILLAR
10, 42	RESIDUCE WS
10, 14, 28	SP-1
	<b><i>Dramm Corporation</i></b>
17	DRAMMATIC O
17	DRAMMATIC ONE
	<b><i>Fassio Farms 4F</i></b>
18	4-3-2 AG PELLETS / GRANULAR
	<b><i>Ferti-Organic</i></b>
9, 21, 28	FERTI-FULVIC PLUS
<b>8</b> , 42	FERTI-NEEM CAKE
33	FERTI-NEEM OIL
16	FERTI-NITRO PLUS
22	KARANJA OIL
25, 28	SEAWEED EXTRACT - SOLUBLE
9, 21	HUMIC ACID - SOLUBLE
20	ROCK PHOSPHATE
	<b><i>Fertoz</i></b>
18	FERTIFY 2-8-4
20	ROCK PHOSPHATE
	<b><i>Fleischmann's Vinegar Company, Inc</i></b>
41	APPLE CIDER VINEGAR (Non-Organic)
41	APPLE CIDER VINEGAR (Organic)
37	VINAGREEN
	<b><i>Healthy Soil</i></b>
24	ECO-MIN
	<b><i>Hickman's Egg Ranch</i></b>
18	THE FARM'S CHOICE POULTRY MEAL 10-2-0
18	THE FARM'S CHOICE HEAT TREATED 4-2-2
	<b><i>Huma</i></b>
9	MESA VERDE DRY HUMATES 70%
9, 22	MV SOLUBLE POWDER
	<b><i>Intrepid</i></b>
19	POTASH
19	TRIO (KMAG)- GRANULAR AND STANDARD

<i>Page(s)</i>	
	<b><i>Jet Harvest</i></b>
36	JET AG
38	JET OXIDE 5%
38	JET OXIDE 15%
	<b><i>JH Biotech</i></b>
17	AQUA POWER 5-1-1
26	BIOMIN BOOSTER 126
26	BIOMIN BOOSTER 153
27	BIOMIN BORON
26	BIOMIN CALCIUM
26	BIOMIN CAL-BORO
26	BIOMIN CAL-BORO LIGHT
26	BIOMIN COPPER
26	BIOMIN IRON
26	BIOMIN MAGNESIUM
26	BIOMIN MANGANESE
16	BIOMIN N 5-0-0
26	BIOMIN ZINC
22, 34	BIOREPEL
<b>8</b> , 34	FOSPHITE
9, 22	FULMAX
9, 21	HUMAX
12, 22	MIXWELL
12, 22, 39	NATURAL WET
34	PEST OUT
25, 28	SEAMAX
14, 20	SOLUPHOS SP
37	WEED ZAP
	<b><i>KeyPlex</i></b>
34	AWP
34	KEYPLEX 350 OR
34	SPORAN EC2
	<b><i>LignoTech USA</i></b>
9, 22	BORREGRO HA-2
	<b><i>Marrone Bio Innovations</i></b>
34	REGALIA
	<b><i>Martin Resources</i></b>
13, 39	99.5% ELEMENTAL SULFUR
13, 23	CSC DS-90 ORGANIC SULFUR PASTILLE
	<b><i>Mizkan</i></b>
39	12% VINEGAR
39	15% VINEGAR
	<b><i>MycoApply</i></b>
15, 29	ENDO MYCORRHIZAL BLENDS
15, 29	ENDO / ECTO MYCORRHIZAL BLENDS

# Index by Manufacturer

<i>Page(s)</i>	
	<b>Natural Resources Group</b>
11, 30	ACTIVATE MICROBES W/ WAKE UP ORGANO
11, 16, 30	ACTIVATE NF MIXED W/ WAKE UP ORGANO
<b>8</b> , 11, 30	ACTIVATE PMSLA MIXED W/ WAKE UP ORGANO
25	CALCIUM CHELATE W/Boron LIQUID FOLIAR
10	NATURE'S SOLUTION
<b>8</b> , 9, 22	POWER K HUMIC ACID
11, 30	WAKE-UP ORGANO
	<b>Nature's Creation</b>
14, 42	WORM CASTINGS W/ MYCORRHIZAE
	<b>Nature's Source</b>
17	NURSERY AND SPECIAL PLANT FOOD 10-4-5
17	ORGANIC PLANT FOOD 3-1-1
10	PLANT PROBIOTIC
	<b>Novozymes BioAg</b>
35	ACTINOVATE AG
	<b>Permaguard</b>
35	FIRE ANT INSECTICIDE D-20
40	FOSSIL SHELL FLOUR (DIATOMACEOUS EARTH)
35	GRAIN OR SEED STORAGE INSECTICIDE D-10
	<b>Plant Revolution</b>
15, 29	MYCOPRO AG
15, 29	MYCOPRO AG PLUS
	<b>Redmond Minerals</b>
40	ANTI-CAKING AGENT (CONDITIONER)
40	NATURAL TRACE MINERAL SALT
40	NATURAL MINERAL SALT BLOCK
	<b>Restora-Life Minerals</b>
24	FLORA-STIM
40	MRX
	<b>Sipcam/Advan</b>
37	COCOON
	<b>Soda Springs Phosphate</b>
20	SOFT ROCK PHOSPHATE
	<b>Soil Mender</b>
14, 42	WORM CASTINGS

<i>Page(s)</i>	
	<b>SQM</b>
16	ALLGANIC NITROGEN PLUS 15-0-2
	<b>Summit Gold</b>
16	GENESYS N-FORCE 8-0-0
	<b>Tidal Organics</b>
25, 40, 42	KELP MEAL
	<b>Tiger Sulfur</b>
13, 39	99.5% ELEMENTAL SULFUR
13, 23	TIGER ORGANIC 90 CR SULPHUR
	<b>TRUE Organic Products</b>
18	4-4-2 AG PELLETS
18	5-5-2 AG PELLETS
18	8-5-1 AG PELLETS
	<b>U.S. Borax</b>
24	FERTIBOR
24	GRANUBOR
24	SOLUBOR
	<b>UPI (United Phosphorus, Inc)</b>
35	MICROTHIOL DISPERSS
	<b>Valent BioSciences</b>
35	AZERA
35	DIPEL DF
28	PRO GIBB LV PLUS
<b>8</b> , 35	PYGANIC CROP PROTECTION EC 1.4 II
<b>8</b> , 35	PYGANIC CROP PROTECTION EC 5.0 II
35	XENTARI
	<b>Westway</b>
10, 42	MOLASSES
	<b>Wick's Livestock Nutrition LLC</b>
41	APPLE CIDER VINEGAR (Non-Organic)
41	APPLE CIDER VINEGAR (Organic)

Don't forget about the clearance and overstocked items on pages **7** and **8**

# Clearance Items

<b>Company</b>	<b>Pkg Size</b>	<b>Qty Available</b>	<b>List Price</b>	<b>Clearance Price</b>	<b>Unit</b>
<b>Agro Logistics</b>					
Debug ON <i>Direct ship only (after current stock sold)</i>	2.5 gal jug	120 gal	\$43.50	<b>\$35.00</b>	/gal
<b>Agro Research</b>					
Weed Slayer KITT <i>Discontinued by manufacturer</i>	2 qt KITT 5 gal KITT	9 KITTS 11 KITTS	\$65.00 \$100.00	<b>\$30.00</b> <b>\$55.00</b>	/qt /gal
<b>Albion</b>					
N-P-K Liquid (not organic) <i>Direct ship only (after current stock sold)</i>	2.5 gal jug	20 gal	\$41.00	<b>\$20.00</b>	/gal
<b>Brandt/Monterey</b>					
719 Spreader <i>Direct ship only (after current stock sold)</i>	1 gal jug	10 gal	\$91.00 \$85.00	1 gal - <b>\$80.00</b> 4+ gal - <b>\$75.00</b>	/gal /gal
Ag Aide <i>Direct ship only (after current stock sold)</i>	1 gal jug	18 gal	\$115.00	<b>\$65.00</b>	/gal
CMR Adjuvant Cottonseed Oil <i>Discontinued by manufacturer</i>	2.5 gal jug	5 gal	\$16.00	<b>\$5.00</b>	/gal
Lime Sulfur <i>Direct ship only (after current stock sold)</i>	2.5 gal jug	20 gal	\$17.50 \$16.25 \$15.50	2.5 gal - <b>\$15.00</b> 5+ gal - <b>\$14.00</b> 20+ gal - <b>\$13.00</b>	/gal /gal /gal
SKH Sticker <i>Direct ship only (after current stock sold)</i>	5 lb bag	145 lb	\$4.00	<b>\$2.50</b>	/lb
Super Wetter <i>Direct ship only (after current stock sold)</i>	1 gal jug	7 gal	\$106.00 \$102.00	1 gal - <b>\$85.00</b> 4+ gal - <b>\$80.00</b>	/gal /gal
Tri Tek Oil <i>Direct ship only (after current stock sold)</i>	2.5 gal jug	70 gal	\$20.00	<b>\$8.00</b>	/gal
<b>Certis</b>					
BoteGHA ES <i>Overstock – clearance price on current stock</i>	1 gal jug	18 gal	\$310.00 \$298.00	1 gal - <b>\$280.00</b> 4+ gal - <b>\$270.00</b>	/gal /gal
Double Nickel LC <i>Overstock – clearance price on current stock</i>	2.5 gal jug	40 gal	\$74.00 \$73.00 \$70.00	2.5 gal - <b>\$65.00</b> 5+ gal - <b>\$65.00</b> 20+ gal - <b>\$60.00</b>	/gal /gal /gal
GemStar LC <i>Quarts discontinued by manufacturer</i>	1 qt jug	9 qt	\$70.00	<b>\$30.00</b>	/qt

**Continued on next page**

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

# Clearance Items

<b>Company</b>	<b>Pkg Size</b>	<b>Qty Available</b>	<b>List Price</b>	<b>Clearance Price</b>	<b>Unit</b>
<b>Certis, continued</b>					
MeloCon LC <i>Direct ship only (after current stock sold)</i>	35 oz. jug	9 jugs	\$305.00	<b>\$125.00</b>	/jug
PFR-97 <i>Direct ship only (after current stock sold)</i>	5 lb bag	35 lb	\$42.00	<b>\$30.00</b>	/lb
Seduce <i>Direct ship only (after current stock sold)</i>	50 lb bag	700 lb	\$5.30 \$4.95	50+ lb - <b>\$4.50</b> 250+ lb - <b>\$4.00</b>	/lb /lb
<b>Diamond K</b>					
Aqua Drive <i>Direct ship only (after current stock sold)</i>	2.5 gal jug	105 gal	\$43.50	<b>\$30.00</b>	/gal
<b>DPH Biologicals</b>					
Pillar Liquid Micronutrient <i>Discontinued by manufacturer</i>	275 gal tote	275 gal	\$7.50	<b>\$2.50</b>	/gal
<b>Ferti Organic</b>					
Neem Cake <i>Direct ship only (after current stock sold)</i>	50 lb bag	100 lb	\$3.45	<b>\$2.50</b>	/lb
<b>JH Biotech</b>					
Fosphite <i>Direct ship only (after current stock sold)</i>	1 gal jug 2.5 gal jug	3 gal 22.5 gal	\$30.00 \$30.00	<b>\$12.00</b> <b>\$12.00</b>	/gal /gal
<b>Natural Resources Group</b>					
PMSLA w/ Wake Up Organo <i>Direct ship only (after current stock sold)</i>	5.3 lb jug	15.9 lb	\$40.00	<b>\$30.00</b>	/lb
Power K Humic Acid <i>Direct ship only (after current stock sold)</i>	25 lb bucket	100 lb	\$8.00	<b>\$6.50</b>	/lb
<b>Valent</b>					
Pyganic 1.4% <i>Overstock – clearance price on current stock</i>	1 gal	18 gal	\$202.50	<b>\$150.00</b>	/gal
Pyganic 5.0% <i>Overstock – clearance price on current stock</i>	1 gal	4 gal	\$630.00	<b>\$590.00</b>	/gal



# 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	\$4.40 /lb
250+ lb	\$4.25 /lb
1000+ lb	\$4.05 /lb
Pallet (50 lb bags)	\$3.80 /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	\$4.75 /lb
250+ lb	\$4.60 /lb
1000+ lb	\$4.40 /lb
Pallet (50 lb bags)	\$4.15 /lb

Larger Quantities - Call for quote

### JH Biotech

#### °FULMAX

3% Fulvic Acid

For use in the soil or as foliar adjuvant.

Direct Ship Only

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

20+ gal	\$16.00 /gal
80+ gal	\$15.00 /gal
Pallet (180 gal)	\$13.00 /gal

Larger Quantities - Call for quote

### JH Biotech

#### °HUMAX

12% Humic Acid

For use in the soil or as foliar adjuvant.

-- FOB EO Warehouse, Texas --

2.5+ gal	\$11.00 /gal
5+ gal	\$10.50 /gal
20+ gal	\$10.00 /gal

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

20+ gal	\$9.75 /gal
80+ gal	\$9.00 /gal
Pallet (180 gal)	\$7.50 /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

100 lb available @ \$6.50 /lb  
(25 lb buckets)

See Clearance page for more info

-- FOB Mfr, CA --

25+ lb	\$9.50 /lb
50+ lb	\$7.35 /lb
250+ lb	\$7.00 /lb
1000+ lb	\$6.00 /lb
Pallet (50 lb bags)	\$5.65 /lb

Larger Quantities - Call for quote

#### °SOLUBLE HUMIC 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) \$3.25 /lb

Larger Quantities - Call for quote

#### °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 (2-6 mm)

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 (1-3 mm)

Direct Ship Only

-- FOB Mfr, NM --

Pallet (50 lb bags)	\$0.32 /lb
2000 lb Super Bag	\$0.27 /lb
3+ Super Bags	\$0.26 /lb

Larger Quantities - Call for quote

#### Additional Humate

Products Available

See Website Notes for more info

Custom Screening and  
Various Particle Sizes Possible

Direct Ship - Pallet Quantities Only  
FOB Mfr, NM

### LignoTech USA

#### °BORREGRO HA-2

Concentrated, 15% Liquid Humic Acid

Direct Ship Only

-- FOB Mfr, WI --

Pallet Tank	Quote /gal
1000+ gal (in totes)	Quote /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 °SP-1

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

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

20+ gal	\$12.85 /gal
80+ gal	\$12.35 /gal
Pallet Tank	\$8.40 /gal
1000 gal (in totes)	\$8.20 /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.

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

20+ gal	\$12.00 /gal
80+ gal	\$11.50 /gal
Pallet Tank	\$7.75 /gal
1000 gal (in totes)	\$7.50 /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

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

Pallet Tank	\$2.45 /gal
1100 gal (in totes)	\$2.35 /gal

*Larger Quantities - Call for quote*

### **Nature's Source** °**PLANT 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	\$50.00 /lb
20+ lb	\$46.00 /lb
80+ lb	\$43.00 /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

**Direct Ship Only**  
**-- FOB Mfr, TX, TN, CA, etc --**

½ Bulk Truckload	<b>Quote /ton</b>
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 °**RESIDUE 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	\$125.00 /lb
5+ lb	\$115.00 /lb
10+ lb	\$107.00 /lb
30+ lb	\$101.00 /lb

*Larger Quantities - Call for quote*

# 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  
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 --**

**Clearance Pricing on In-Stock Inventory**

15.9 lbs available	(PMSLA)
1 lb (pkg)	\$35.00 /lb
5.3 lb (bucket)	\$30.00 /lb

#### **Direct Ship**

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

5.3 lb (bucket)	\$35.00 /lb
31.8 lb (bucket)	\$30.00 /lb
159 lb (5 buckets)	\$28.50 /lb
1000+ lb	\$27.50 /lb

*Larger Quantities - Call for quote*

# Soil Amendments

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

## WETTING AGENTS AND SOIL SURFACTANTS

Surfactants and/or wetting agents can help improve the permeability of a compacted soil. This allows for increased water and air movement, which are prerequisites for optimal growth and health of plants and beneficial microorganisms (and macroorganisms).

### **Beware the Yield Burglar!**

### **Poor internal drainage of the soil.**

*Whatever might be the reason for it (and there are certainly many!), poor internal soil drainage presents a major challenge to growing a marketable and profitable crop. Not everyone is blessed with soils perfectly suited for the crops they want to grow, and even if our soils start out in pretty good shape, poor irrigation water quality can quickly make maintaining soil tilth challenging. If a soil becomes too compacted (through mineral imbalances) to accept water easily at the surface and allow rapid infiltration, water is wasted and problems multiply. These mineral imbalances also create internal drainage problems that allow salt buildup. So, what is the Solution? There is, of course, no one "magic" solution! But read ahead to see how Surfactants can be part of the answer.*

## **Diamond K AQUA DRIVE**

A non-ionic surfactant additive designed to improve 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 and complete pattern through the soil profile.

Not allowed for Organic Use

**-- FOB EO Warehouse, Texas**  
**Clearance Pricing on In-Stock Inventory**  
 105 gal available @ \$30.00 /gal  
 See Clearance page for more info

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

Pallet (180 gal) \$42.00 /gal  
 Pallet Tank \$40.00 /gal  
*Larger Quantities - Call for quote*

## **Internal Drainage**

### **Kickstarter**

**Under the right circumstances, Surfactants can "jump-start" the water infiltration process in your soil.**

*Once internal drainage and soil/air exchange is temporarily improved by application of surfactants, the continuing application of biological and/or mineral amendments can more effectively improve the soil rhizosphere.*

*This comprehensive approach results in a more friable, resilient, sustainable, and just plain old "plant-friendly" soil.*

## **JH Biotech MIXWELL**

40.0%

B-Hydroxytricarballic acid  
 Improves soil characteristics by lowering the soil pH.

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

2.5 gal \$20.00 /gal  
 5+ gal \$19.00 /gal  
 20+ gal \$18.50 /gal

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

20+ gal \$18.00 /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  
 Natural, non-ionic surfactant.

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

2.5 gal \$22.75 /gal  
 5+ gal case \$22.00 /gal  
 20+ gal \$21.50 /gal

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

20+ gal \$20.50 /gal  
 80+ gal \$19.75 /gal  
 Pallet (180 gal) \$17.50 /gal  
*Larger Quantities - Call for quote*

## **Brandt Organics**

### **AG-AIDE**

Yucca Extract  
 Natural, non-ionic surfactant.

**Clearance Pricing on In-Stock Inventory**  
 18 gal available @ \$65.00 /gal  
 See Clearance page for more info

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

4 gal \$137.00 /gal  
 20 gal \$131.75 /gal  
 80 gal \$125.25 /gal  
 Pallet (144 gal) \$116.00 /gal  
*Larger Quantities - Call for quote*

# 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 the great majority of edible plants is from about 6 to 7. See chart to right.

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** (a neutral mineral) may also be used as a soil amendment to improve soil friability or tilth. It is especially effective at improving the root environment when soil calcium levels are low and/or the salt content of irrigation water is high.

### °90% SOIL SULFUR

Pastille Sulfur

Suitable for dry application to the soil.

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

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

50+ lb	\$0.55 /lb
250+ lb	\$0.51 /lb
1000+ lb	\$0.48 /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) --**

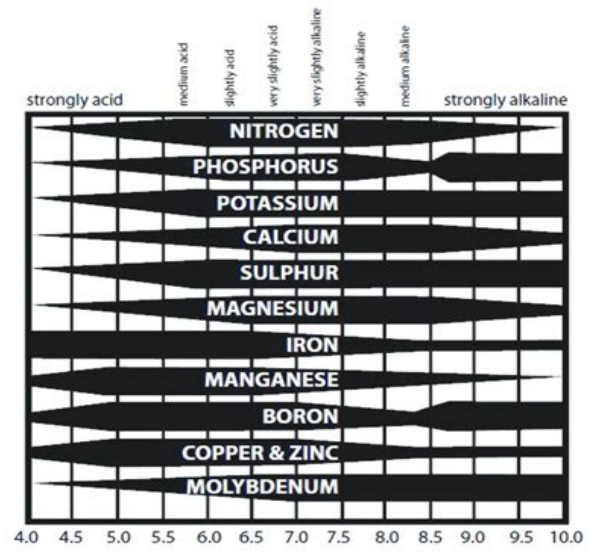
Pallet (50 lb bags)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

*Larger Quantities - Call for quote*

Chart showing nutrient availability at varying soil pH. (researchgate.net)

To the right is an effective illustration of why soil pH is so important for crop yields.

Soil pH values at either extreme often require additional nutrient supplementation and/or microbial enhancement to overcome nutrient availability issues.



NUTRIENT AVAILABILITY VS SOIL pH

### 99.5% ELEMENTAL SULFUR

Pastille Sulfur

Suitable for use in sulfur burners to improve irrigation water and soil/root 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*

### Calcium Products

#### °98G STANDARD

Pelletized Limestone

Suitable for dry application to the soil.

98% pure calcitic limestone

Calcium source and pH adjuster recommended for acidic soils.

**Direct Ship Only**

**-- FOB Mfr, IA --**

Pallet (50 lb bags)	\$0.20 /lb
2000 lb Super Bag	\$0.18 /lb
3+ Super Bags	\$0.17 /lb

*Larger Quantities - Call for quote*

### Diamond K

#### °GYPSUM

### SOLUTION GRADE 97

97% Pure Calcium Sulfate

Water suspendable/soluble powder  
Can be applied through drip or pivot.

Improves soils irrigated with poor quality water.

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

50+ lb	\$0.42 /lb
250+ lb	\$0.39 /lb
1000+ lb	\$0.37 /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*

# Seed and Seed Trench Treatments

## Seed and Seed Trench Treatments

promote and accelerate germination, emergence, and the early growth of plants.

They 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.

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

1+ lb	\$77.00 /lb
5+ lb	\$62.50 /lb
10+ lb	\$52.00 /lb
30+ lb	\$46.00 /lb
150+ lb	\$44.00 /lb

*Larger Quantities - Call for quote*

### EARTHWORM CASTINGS

-- FOB EO Warehouse, Texas --

40+ lb	\$1.20 /lb
400+ lb	\$1.15 /lb

-- FOB Mfr, TX --

Pallet (25 lb bags)	\$0.90 /lb
Super Bag (+/- 1400 lb)	\$0.60 /lb

### EARTHWORM CASTINGS w/ MYCORRHIZAE

-- FOB Mfr, TX --

400 lb (10 lb bags)	\$2.10 /lb
1000 lb (10 lb bags)	\$2.00 /lb
Pallet (10 lb bags)	\$1.90 /lb

*Larger Quantities - Call for quote*

## JH Biotech

### SOLUPHOS SP

Microbial Inoculant for soil  
Phosphate solubilizing bacteria  
make P more available to plant roots  
*Bacillus licheniformis*  
*Pseudomonas putida*

**Direct Ship Only**

-- FOB Mfr, CA --

20+ lb	\$18.50 /lb
100+ lb	\$16.00 /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 --

2.5 gal	\$15.00 /gal
5+ gal case	\$14.00 /gal
20+ gal	\$13.50 /gal
Drum - 55 gal	\$6.75 /gal
Drums 4-55 gal	\$6.35 /gal
Pallet Tank	\$5.00 /gal
1040 gal (in totes)	\$4.90 /gal

-- FOB Mfr, NC --

20+ gal	\$12.00 /gal
80+ gal	\$11.50 /gal
Pallet (180 gal)	\$10.75 /gal
Drum - 55 gal	\$5.50 /gal
Drums 4-55 gal	\$5.10 /gal
Pallet Tank	\$4.50 /gal
1040 gal (4 totes)	\$4.25 /gal
2600 gal (10 totes)	\$4.15 /gal
4420 gal (17 totes)	Quote /gal

## DPH Biologicals

### SP-1

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

**Direct Ship Only**

-- FOB Mfr, IL --

20+ gal	\$12.85 /gal
80+ gal	\$12.35 /gal
Pallet Tank	\$8.40 /gal
1000 gal (in totes)	\$8.20 /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.

**Direct Ship Only**

-- FOB Mfr, IL --

20+ gal	\$12.00 /gal
80+ gal	\$11.50 /gal
Pallet Tank	\$7.75 /gal
1000 gal (in totes)	\$7.50 /gal

*Larger Quantities - Call for quote*

# Seed and Seed Trench Treatments

## **Mycorrhizal Fungi**

### **"The Friendly Fungus"**

#### **Myco Pro**

#### **MYCORRHIZAE**

#### **ENDO FUNGAL SPECIES**

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

#### **MYCOPRO AG**

5 endo species blend  
For dry or liquid application.

Suspendable in water with  
agitation.

1 pound treats up to 1 acre

#### **Direct Ship Only**

**-- FOB CA --**

20+ lb	\$13.50 /lb
100+ lb	\$13.25 /lb
400+ lb	\$12.75 /lb

#### **MYCOPRO AG PLUS**

5 endo species blend  
Concentrated,  
Easily suspendable powder.

1 pound treats up to 150 acres

#### **Direct Ship Only**

**-- FOB CA --**

1 lb	\$1285.00 /lb
2 lb	\$1240.00 /lb
4 lb	\$1230.00 /lb
10 lb	\$1200.00 /lb

#### **Myco Apply**

#### **MYCORRHIZAE**

Symbiotic with Plant Roots

#### **ENDO FUNGAL SPECIES**

#### **GRANULAR ENDO**

4 species blend  
For soil or media application

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

#### **Direct Ship Only**

**-- FOB CA --**

40+ lb	\$10.00 /lb
200+ lb	\$9.50 /lb
800+ lb	\$9.15 /lb

#### **ENDO-ECTO FUNGAL SPECIES**

Products below are appropriate  
for conifers, oaks  
pecans, and others.

#### **ULTRAFINE ENDO / ECTO**

4 Endo / 7 Ecto Species  
For dry or liquid application.

Suspendable in water with  
agitation.

#### **Direct Ship Only**

**-- FOB CA --**

20+ lb	\$20.50 /lb
100+ lb	\$19.25 /lb
400+ lb	\$18.50 /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	\$48.00 /lb
4+ lb	\$45.00 /lb
20+ lb	\$44.00 /lb
100+ lb	\$42.50 /lb

#### **The Farmer's 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 hyphae will receive  
nutrients and water from a larger  
volume of soil when compared with a  
normal root system alone.*

*In addition to exploring a larger  
volume of soil, a 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 all 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

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 in this product is in the Nitrate form which is usually lacking in organic production systems.

-- FOB EO Warehouse, Texas --

50+ lb (/lb)	\$1.10 /lb
250+ lb (/lb)	\$1.05 /lb
1000+ lb (/lb)	\$1.00 /lb

FOB Mfr,

-- / DE / CA / FL --

Pallet (50 lb bags)	\$0.80 /lb
3+ Pallets (50 lb bags)	\$0.77 /lb
2645 lb Super Bag	\$0.77 /lb
3+ Super Bags	\$0.74 /lb

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

Direct Ship Only

-- FOB Mfr, IL --

Pallet (180 gal)	\$15.00 /gal
Pallet Tank (265 gal)	\$14.30 /gal

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)	\$35.00 /lb
31.8 lb (bucket)	\$30.00 /lb
159 lb (5 buckets)	\$28.50 /lb
1000+ lb	\$27.50 /lb

Larger Quantities - Call for quote

## JH Biotech

### BIOMIN N 5-0-0

5.0% Nitrogen

Natural, organic fertilizer derived from hydrolyzed vegetable proteins.

-- FOB EO Warehouse, Texas --

2.5 gal	\$12.00 /gal
5+ gal case	\$11.50 /gal
20+ gal	\$11.00 /gal

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

20+ gal	\$10.00 /gal
80+ gal	\$9.75 /gal
Pallet (180 gal)	\$8.75 /gal
Drum - 55 gal	\$9.00 /gal
Pallet Tank	\$8.75 /gal

Larger Quantities - Call for quote

## Albion

### METALOSATE NPK

4-17-17

Amino Acid Chelate

Liquid formulation for foliar application.

Not allowed for Organic Use

-- FOB EO Warehouse, Texas --

Clearance Pricing on In-Stock Inventory

20 gal available @ \$20.00 /gal

See Clearance page for more info

-- FOB Mfr, UT --

20 gal+	\$37.50 /gal
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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)	\$6.50 /lb
250+ lb (/lb)	\$6.25 /lb
1000+ lb (/lb)	\$6.00 /lb
Pallet (50 lb bags)	\$5.70 /lb

Larger Quantities - Call for quote

## Darling Ingredients

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

13% slow release N

Hydrolyzed feather, meat, and blood meal.

13-0-0 (Pellets)

Direct Ship Only

-- FOB Mfr, KY --

Pallet (50 lb bags)	\$0.68 /lb
2000 lb Super Bag	\$0.65 /lb
3+ Super Bags	\$0.63 /lb

Larger Quantities - Call for quote

13-0-0 (Coarse Grade)

Direct Ship Only

-- FOB Mfr, KY --

Pallet (50 lb bags)	\$0.69 /lb
2000 lb Super Bag	\$0.66 /lb
3+ Super Bags	\$0.64 /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)	\$0.72 /lb
2000 lb Super Bag	\$0.69 /lb
3+ Super Bags	\$0.67 /lb

Larger Quantities - Call for quote



# Plant Nutrition

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

## **NPK - FERTILIZERS**

**(CONT)**

### **Nature's Source** <sup>o</sup>**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	\$12.50 /gal
5+ gal	\$12.00 /gal
20+ gal	\$11.50 /gal

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

20+ gal	\$10.50 /gal
80+ gal	\$10.00 /gal
Pallet (180 gal)	\$9.25 /gal
Pallet Tank (250 gal)	\$8.50 /gal
1000 gal (in totes)	\$8.20 /gal

*Larger Quantities - Call for quote*

### **Nature's Source** <sup>o</sup>**NURSERY AND SPECIAL** <sup>o</sup>**PLANT FOOD 10-4-5**

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

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

**Not allowed for Organic Use**

**Direct Ship Only**

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

80+ gal	\$10.25 /gal
Pallet (180 gal)	\$9.50 /gal
Drum - 55 gal	\$9.25 /gal
Drums 4-55 gal	\$8.75 /gal
Pallet Tank (275 gal)	\$8.00 /gal

*Larger Quantities - Call for quote*

### **CR Brown** <sup>o</sup>**BROWN'S FISH** <sup>o</sup>**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 --**

2.5 gal	\$15.00 /gal
5+ gal case	\$14.00 /gal
20+ gal	\$13.50 /gal
Drum - 55 gal	\$6.75 /gal
Drums 4-55 gal	\$6.35 /gal
Pallet Tank (260 gal)	\$5.00 /gal
1000 gal (in totes)	\$4.90 /gal

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

20+ gal	\$12.00 /gal
80+ gal	\$11.50 /gal
Pallet (180 gal)	\$10.75 /gal
Drum - 55 gal	\$5.50 /gal
Drums 4-55 gal	\$5.10 /gal
Pallet Tank (260 gal)	\$4.50 /gal
1040 gal (4 totes)	\$4.25 /gal
2600 gal (10 totes)	\$4.15 /gal
4420 gal (17 totes)	Quote /gal

*Larger Quantities - Call for quote*

## **JH Biotech**

### <sup>o</sup>**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	\$15.00 /gal
5+ gal	\$14.25 /gal
20+ gal	\$13.75 /gal

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

20+ gal	\$13.00 /gal
80+ gal	\$12.50 /gal
Pallet (180 gal)	\$10.75 /gal
Drum - 55 gal	\$11.00 /gal
Drums 4-55 gal	\$10.60 /gal
Pallet Tank (250 gal)	\$10.60 /gal

*Larger Quantities - Call for quote*

## **Dramm Corp**

### <sup>OR</sup>**DRAMMATIC <sup>o</sup>** <sup>o</sup>**LIQUID FISH**

**2 - 5 - 0.2**

Cold processed hydrolysate  
 Containing all original Fish Oils  
 and Calcium sources.

**Direct Ship Only**

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

Pallet Tank	\$8.30 /gal
1000 gal (in totes)	\$7.80 /gal

*Larger Quantities - Call for quote*

## **Dramm Corp**

### <sup>OR</sup>**DRAMMATIC "ONE"** <sup>o</sup>**LIQUID FISH**

**4 - 4 - 0.5**

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

**Direct Ship Only**

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

Pallet Tank	\$11.25 /gal
1000 gal (in totes)	\$10.50 /gal

*Larger Quantities - Call for quote*

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

## NPK - FERTILIZERS

### True Organic Products

FOB Arizona

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

#### TRUE 4-4-2

Chicken Manure **Pellets**

-- FOB Mfr, AZ --

2000 lb Super Bag \$0.17 /lb

3+ Super Bags \$0.16 /lb

*Larger Quantities - Call for quote*

#### TRUE 5-5-2

Chicken Manure **Pellets**

-- FOB Mfr, AZ --

2000 lb Super Bag \$0.22 /lb

3+ Super Bags \$0.21 /lb

*Larger Quantities - Call for quote*

#### TRUE 8-5-1

Chicken Manure **Pellets**

-- FOB Mfr, AZ --

2000 lb Super Bag \$0.34 /lb

3+ Super Bags \$0.33 /lb

*Larger Quantities - Call for quote*

### HE Ranch

FOB Arizona

#### THE FARMS CHOICE 4-2-2

**Heat Treated**

A meal-type product - can be dusty.

**Direct Ship Only**

-- FOB Mfr, AZ --

Bulk Only *Quote /lb*

*Larger Quantities - Call for quote*

#### THE FARM'S CHOICE

**10-2-0 POULTRY MEAL**

**Finely Ground Meal**

Quickly breaks down with watering.

**Direct Ship Only**

-- FOB Mfr, AZ --

2000 lb Super Bag *Quote /lb*

3+ Super Bags *Quote /lb*

*Quotes for Larger Quantities Available*

### 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) \$0.26 /lb

*Larger Quantities - Call for quote*

#### CM 4-3-2

**+ 9% CALCIUM**

**Pelletized**

**Direct Ship Only**

-- FOB Mfr, WI --

Pallet (40 lb bags) \$0.23 /lb

*Larger Quantities - Call for quote*

### 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 (40 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 --

Pallet (40 lb bags) \$0.21 /lb

2000 lb Super Bag \$0.18 /lb

3+ Super Bags \$0.17 /lb

*Larger Quantities - Call for quote*

#### Fertoz

**FERTIFY 2-8-4**

Pelleted Chicken Litter fortified with  
Rock Phosphate and Sulfate of Potash

**Direct Ship Only**

-- FOB Mfr, MT --

Pallet (50 lb bags) *Quote /lb*

2000 lb Super Bag \$0.34 /lb

3+ Super Bags \$0.33 /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

## NPK - FERTILIZERS

(CONT)

### Diamond K

#### <sup>o</sup>POTASSIUM SULFATE

0-0-50

Water Soluble, Fine Powder

-- FOB EO Warehouse, Texas --

50+ lb	\$0.98 /lb
250+ lb	\$0.95 /lb
1000+ lb	\$0.91 /lb
Pallet (50 lb bags)	\$0.85 /lb

-- FOB Mfr, UT --

Pallet (50 lb bags)	\$0.60 /lb
2000 lb Super Bag	\$0.60 /lb
3+ Super Bags	\$0.58 /lb

*Larger Quantities - Call for quote*

### Compass Minerals

#### <sup>o</sup>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*

### Intrepid

#### <sup>o</sup>TRIO

Organic K-Mag

0-0-22-11Mg-22S

Potassium-Magnesium Sulfate

**Granular - SGN 260 (2.6 mm)**

**Direct Ship Only**

-- FOB Mfr, NM, --

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

*Larger Quantities - Call for quote*

**Standard - SGN 105 (1.05 mm)**

**Direct Ship Only**

-- FOB Mfr, NM --

3+ 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 --

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

*Larger Quantities - Call for quote*

### Intrepid

#### OR <sup>o</sup>POTASH

Muriate of Potash 0-0-60

Water Soluble Potassium Chloride

**Granular - SGN 290 (2.9 mm)**

**Direct Ship Only**

-- FOB Mfr, UT,IN --

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

*Larger Quantities - Call for quote*

### Diamond K

#### <sup>o</sup>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)	\$0.50 /lb
3+ Pallets	\$0.45 /lb

*Larger Quantities - Call for quote*

### Albion

#### <sup>o</sup>METALOSATE POTASSIUM

Amino Acid Chelated

Water Soluble for Foliar Applications

3.0% N; 35.0% K (Potash)

-- FOB EO Warehouse, Texas --

5 lb (jug)	\$21.50 /lb
10+ lb	\$18.50 /lb

-- FOB Mfr, UT / CA --

20+ lb	\$17.00 /lb
40+ lb	\$16.50 /lb
44 lb bag	\$13.25 /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

## NPK - FERTILIZERS

### PHOSPHORUS

**Fertoz**

### **°ROCK PHOSPHATE**

0-7-0

Calcium Phosphate

**04 - 10 Mesh (Powdered)**

**Unrefined**

**Direct Ship Only**

**-- FOB Mfr, MT --**

2000 lb Super Bag **Quote /lb**

3+ Super Bags **Quote /lb**

*Larger Quantities - Call for quote*

**Screened to 30 Mesh (Powdered)**

**Direct Ship Only**

**-- FOB Mfr, MT --**

2000 lb Super Bag **Quote /lb**

3+ Super Bags **Quote /lb**

*Larger Quantities - Call for quote*

**325 Mesh Micronized**

**Direct Ship Only**

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

Pallet (50 lb bags) **Quote /lb**

2000 lb Super Bag **Quote /lb**

3+ Super Bags **Quote /lb**

*Larger Quantities - Call for quote*

**Granular 240 SGN**

**Direct Ship Only**

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

Pallet (50 lb bags) **Quote /lb**

2000 lb Super Bag **Quote /lb**

3+ Super Bags **Quote /lb**

*Larger Quantities - Call for quote*

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

*Many soil microbes are far more aggressive mineral feeders than plant roots and can release minerals normally unavailable to the plant roots.*

*Agricultural soil tests do not measure "total nutrients" in the soil. Instead, they measure that fraction of nutrients which the lab estimates would be available to plant roots under*

*"normal growing conditions".*

*These conditions are defined largely by the pH of the sampled soil. (See chart on page 13)*

### **Soda Springs**

### **°SOFT ROCK PHOSPHATE**

20% Calcium, 20% Phosphate  
Prilled using a Molasses Binder

**Direct Ship Only**

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

Pallet (50 lb bags) **Quote /lb**

2150 lb Super Bag **Quote /lb**

*Larger Quantities - Call for quote*

### **Ferti-Organic**

### **°ROCK PHOSPHATE**

30% Calcium, 28% Phosphate  
One of the highest grade organic-approved rock phosphate sources available.

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

50+ lb \$1.00 /lb

250+ lb \$0.93 /lb

1000+ lb \$0.90 /lb

Pallet (50 lb bags) \$0.88 /lb

*Larger Quantities - Call for quote*

*A diverse and robust microbial population in the root zone helps "unlock" and recycle soil nutrients that would otherwise be unavailable to the plant.*

*In particular, **Phosphorus availability** benefits greatly from robust microbial activity due to its intrinsically low availability in many soils. Below is a microbial product that '**specializes**' in the digestion and recycling of phosphorus,*

**JH Biotech**

### **°SOLUPHOS SP**

Microbial Inoculant

Phosphate Solubilizing Bacteria

*Bacillus licheniformis*

*Pseudomonas putida*

**Direct Ship Only**

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

20+ lb \$18.50 /lb

100+ lb \$16.00 /lb

*Larger Quantities - Call for quote*

***Soluphos SP** (above) is not a phosphorous fertilizer. It is composed of **phosphorous solublizing organisms** that can help make both 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.*

# 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

### **Agro Research**

#### **ORGANIC CITRIC ACID**

10% - For water pH adjustment  
Adjusts water pH levels as required for certain tank mixes.

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

1 gal	\$10.50 /gal
4+ gal	\$10.00 /gal
20+ gal	\$9.50 /gal

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

20+ gal	\$6.55 /gal
80+ gal	\$6.25 /gal
Pallet (144 gal)	\$5.75 /gal

*Larger Quantities - Call for quote*

### **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 --**

**Clearance Price on In-Stock Inventory**

165 lbs available @ \$2.50 /lb  
5 lb packages

*See Clearance page for more info*

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

50+ lb (case)	\$2.35 /lb
250+ lb (5 cases)	\$2.15 /lb
500+ lb (10 cases)	\$2.05 /lb
Pallet (1400 lb)	\$1.85 /lb

*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**

26 gal available @ \$65.00 /gal  
*See Clearance page for more info*

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

4+ gal	\$137.00 /gal
20+ gal	\$131.75 /gal
80+ gal	\$125.25 /gal
Pallet (144 gal)	\$116.00 /gal

*Larger Quantities - Call for quote*

### **Brandt**

#### **OR 719 Spreader**

Non-Ionic Organosilicone  
Penetrant and Wetting Agent  
Unique trisiloxane surfactant  
and co-polymer formulation.  
Designed to prevent quick evaporation  
and excessive run-off problems.

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

**Clearance Pricing on In-Stock Inventory**

1 gal	\$80.00 /gal
4+ gal	\$75.00 /gal

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

5+ gal	\$79.00 /gal
20+ gal	\$76.00 /gal
80+ gal	\$72.00 /gal
Pallet (180 gal)	\$67.00 /gal

*Larger Quantities - Call for quote*

### **Brandt**

#### **OR SUPER WETTER**

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

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

**Clearance Pricing on In-Stock Inventory**

1 gal	\$85.00 /gal
4+ gal	\$80.00 /gal

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

20+ gal	\$87.00 /gal
80+ gal	\$85.00 /gal
Pallet (144 gal)	\$82.00 /gal

*Larger Quantities - Call for quote*

### **Ferti-Organic**

#### **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	\$4.40 /lb
250+ lb	\$4.25 /lb
1000+ lb	\$4.05 /lb
Pallet (50 lb bags)	\$3.80 /lb

*Larger Quantities - Call for quote*

### **JH Biotech**

#### **ORGANIC HUMAX**

12% Humic Acid

For use in the soil or as foliar adjuvant.

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

2.5+ gal	\$11.00 /gal
5+ gal	\$10.50 /gal
20+ gal	\$10.00 /gal

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

20+ gal	\$9.75 /gal
80+ gal	\$9.00 /gal
Pallet (180 gal)	\$7.50 /gal

*Larger Quantities - Call for quote*

### **Ferti-Organic**

#### **ORGANIC FULVIC PLUS**

Soluble Powder

90% Fulvic Acid

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

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

50+ lb	\$4.75 /lb
250+ lb	\$4.60 /lb
1000+ lb	\$4.40 /lb
Pallet (50 lb bags)	\$4.15 /lb

*Larger Quantities - Call for quote*

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

## ADJUVANTS (cont)

### JH Biotech

#### °FULMAX

3% Fulvic Acid

For use in the soil or as foliar adjuvant.

#### Direct Ship Only

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

20+ gal	\$16.00 /gal
80+ gal	\$15.00 /gal
Pallet (180 gal)	\$13.00 /gal

Larger Quantities - Call for quote

### Ferti-Organic

#### °KARANJA OIL

Cold Pressed Karanja Oil  
Adjuvant - Improves Efficacy of  
Neem Oil and other Pesticides.

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

1 gal	\$52.00 /gal
5+ gal	\$48.00 /gal
20+ gal	\$46.50 /gal
80+ gal	\$45.00 /gal
Pallet (160 gal)	\$43.50 /gal
Drum - 55 gal	\$44.50 /gal
Drums 4-55 gal	\$43.50 /gal

Larger Quantities - Call for quote

### JH Biotech

#### °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	\$20.00 /gal
5+ gal	\$19.00 /gal
20+ gal	\$18.50 /gal

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

20+ gal	\$18.00 /gal
80+ gal	\$17.00 /gal
Pallet (180 gal)	\$15.00 /gal

Larger Quantities - Call for quote

### 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	\$22.75 /gal
5+ gal case	\$22.00 /gal
20+ gal	\$21.50 /gal

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

20+ gal	\$20.50 /gal
80+ gal	\$19.75 /gal
Pallet (180 gal)	\$17.50 /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	\$54.00 /gal
5+ gal	\$52.50 /gal
20+ gal	\$51.00 /gal

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

20+ gal	\$51.00 /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

### LignoTech USA

#### °BORREGRO HA-2

Concentrated, 15% Liquid Humic Acid

Direct Ship Only

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

Pallet Tank	Quote / gal
1000+ gal (in totes)	Quote / gal

Larger Quantities - Call for quote

## °SOLUBLE HUMIC 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) \$3.25 /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

100 lb available @ \$6.50 /lb  
(25 lb buckets)

See Clearance page for more info

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

25+ lb	\$9.50 /lb
50+ lb	\$7.35 /lb
250+ lb	\$7.00 /lb
1000+ lb	\$6.00 /lb
Pallet (50 lb bags)	\$5.65 /lb

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 a limiting growth and quality factor even in well mineralized soils. Soil and petiole tests can indicate plant needs and are generally required for organic certification.

### Diamond K °GYPSUM SOLUTION GRADE 97

Calcium Sulfate

Water Soluble Powder; Can be Applied Through Drip or Pivot

Commonly used for salt mitigation when using high salt irrigation water.

ALSO SEE PAGE 13 FOR DESCRIPTION OF USE AS A "SOIL TILTH" TREATMENT

-- FOB EO Warehouse, Texas --

50+ lb	\$0.42 /lb
250+ lb	\$0.39 /lb
1000+ lb	\$0.37 /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

#### °98G STANDARD

Pelletized Limestone

98% pure calcitic limestone

Calcium source and pH adjuster

Direct Ship Only

-- FOB Mfr, IA --

Pallet (50 lb bags)	\$0.20 /lb
2000 lb Super Bag	\$0.18 /lb
3+ Super Bags	\$0.17 /lb

Larger Quantities - Call for quote

### Tiger-Sul or Martin

## °90% SOIL SULFUR

Pastille Sulfur

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

SEE PAGE 13 FOR PH ADJUSTMENT DESCRIPTION

-- FOB EO Warehouse, Texas --

50+ lb	\$0.55 /lb
250+ lb	\$0.51 /lb
1000+ lb	\$0.48 /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	\$0.59 /lb
250+ lb	\$0.56 /lb
1000+ lb	\$0.53 /lb

-- FOB Mfr, TX --

1000+ lb	\$0.43 /lb
Pallet (50 lb bags)	\$0.40 /lb
3 Pallets (50 lb bags)	\$0.39 /lb

Larger Quantities - Call for quote

## OR COPPER SULFATE

20% Copper

Sprayable Copper Fertilizer

-- FOB EO Warehouse, Texas --

50+ lb	\$2.70 /lb
--------	------------

-- FOB Mfr, TX --

250+ lb	\$2.45 /lb
1000+ lb	\$2.35 /lb
Pallet (50 lb bags)	\$2.25 /lb

Larger Quantities - Call for quote

Brandt

## OR IRON SULFATE

20% Iron

Slowly Water Soluble

-- FOB EO Warehouse, Texas --

50+ lb	\$1.00 /lb
250+ lb	\$0.95 /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	\$1.35 /lb
250+ lb	\$1.30 /lb

-- FOB Mfr, TX --

250+ lb	\$1.15 /lb
1000+ lb	\$1.10 /lb
Pallet (50 lb bags)	\$1.05 /lb

Larger Quantities - Call for quote

## OR MANGANESE SULFATE

+/- 32% Manganese

Granular, Slowly Water Soluble

-- FOB EO Warehouse, Texas --

55+ lb	\$1.15 /lb
275+ lb	\$1.10 /lb

-- FOB Mfr, TX --

275+ lb	\$1.00 /lb
1100+ lb	\$0.95 /lb
Pallet (55 lb bags)	\$0.90 /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

Natural volcanic and sedimentary "exotic" trace mineral source.

**Granular** (For Crops)

-- FOB EO Warehouse, Texas --

44+ lb	\$0.54 /lb
220+ lb	\$0.52 /lb
1100+ lb	\$0.51 /lb

-- FOB Mfr, TX --

1100+ lb	\$0.43 /lb
Pallet (44 lb bags)	\$0.42 /lb
3+ Pallets	\$0.41 /lb
10+ Pallets	\$0.40 /lb

Larger Quantities - Call for quote

**Micronized** (For Crops or Feed)  
Fine powder

-- FOB EO Warehouse, Texas --

44+ lb	\$0.49 /lb
220+ lb	\$0.47 /lb
1100+ lb	\$0.46 /lb

-- FOB Mfr, TX --

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

Larger Quantities - Call for quote

**Field Grade** (For Crops or Feed)  
Grit texture with some powder

-- FOB EO Warehouse, Texas --

44+ lb	\$0.47 /lb
220+ lb	\$0.45 /lb
1100+ lb	\$0.43 /lb

-- FOB Mfr, TX --

1100+ lb	\$0.36 /lb
Pallet (44 lb bags)	\$0.35 /lb
3+ Pallets	\$0.34 /lb
10+ Pallets	\$0.33 /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)	Quote /lb
2000 lb Super Bag	Quote /lb
3+ Super Bags	Quote /lb

Quotes for Bulk and Larger Quantities Available

### Restora Life

#### °FLORA-STIM

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

**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

### Certis

#### AGSIL 25

Foliar/Soil Available Bionutrient

Liquid 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

**Direct Ship Only**

-- FOB Mfr --

Drum - 55 gal	\$29.00 /gal
220 gal (in drums)	\$27.00 /gal

Larger Quantities - Call for quote

### U.S. Borax

#### °SOLUBOR

20% Boron  
Water Soluble

Note\* Caution needed when applying Boron, especially foliar

-- FOB EO Warehouse, Texas --

50+ lb	\$2.15 /lb
250+ lb	\$2.05 /lb

-- FOB Mfr, CA / IL --

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

Larger Quantities - Call for quote

### U.S. Borax

#### °FERTIBOR

15.0% Boron

Granular, Suitable for Soil application

-- FOB EO Warehouse, Texas --

50+ lb	\$1.35 /lb
250+ lb	\$1.25 /lb

-- FOB Mfr, CA / IL --

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

Larger Quantities - Call for quote

### U.S. Borax

#### °GRANUBOR

15.0% Boron

Water Soluble, Spreadable Boron

**Direct Ship Only**

-- FOB Mfr, CA / IL --

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

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	\$6.75 /lb
1000+ lb	\$6.50 /lb
Pallet (50 lb bags)	\$6.10 /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	\$21.00 /gal
5+ gal	\$20.00 /gal
20+ gal	\$19.25 /gal

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

20+ gal	\$19.00 /gal
80+ gal	\$17.50 /gal
Pallet (180 gal)	\$16.25 /gal

*Larger quantities - Call for quote*

## MINOR ELEMENTS

### TRACE MINERALS - COMPLEXED

Nutrients combined with plant-friendly and soil-friendly carbon based substances for better uptake and buffering characteristics

### Baicor Phyto-Plus

#### OR 3% MOLYBDENUM

Derived from Sodium Molybdate

Direct Ship Only

-- FOB Mfr, UT --

5 gal case	\$30.00 /gal
20+ gal	\$27.50 /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	\$33.50 /gal
20+ gal	\$31.50 /gal
180 gal pallet	\$29.50 /gal

*Larger Quantities - Call for quote*

### Tidal Organics

#### °KELP MEAL

Feed supplement,

Animal Health supplement

-- FOB EO Warehouse, Texas --

50+ lb	\$3.60 /lb
250+ lb	\$3.40 /lb

-- FOB Mfr, TX --

250+ lb	\$3.10 /lb
1000+ lb	\$2.90 /lb
Pallet (50 lb bags)	\$2.20 /lb

*Larger Quantities - Call for quote*

## 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	Quote /gal
1000 gal (in totes)	Quote /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**

275 gal available @  
(275 gal tote) 2.50 /gal  
*See Clearance page for more info*

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

## MINOR ELEMENTS

### TRACE MINERALS - CHELATED (AMINO ACID)

#### **The Best Life of a Plant?**

Plants (like us) 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. We hope that Reproduction and the Immune System aren't far behind!

For a plant to perform to its genetic potential, it needs a continuous, balanced nutrient supply - the better to avoid taxing its limited energy supply.

The utility of Amino Acid chelated micronutrients is that they provide the plant with critical nutrients at a very low energy cost to the plant.

Though only needed in small amounts, micronutrients are critical to plant health. And even if micronutrients are "sufficient" in the soil they are often outcompeted at the root level by the major nutrients.

Q. So what is the most plant-energy efficient way to provide a significant, critical, and timely portion of the micronutrient nutrition needed?

A. High quality chelated form supplied through regular foliar spraying.

See Albion and JH Biotech Amino Acid chelated micronutrients coming up next.

### Albion

#### OR METALOSATES

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 (100)	\$21.50 /lb
10+ lb	\$18.50 /lb
20+ lb	\$18.00 /lb

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

20+ lb	\$17.00 /lb
40+ lb	\$16.50 /lb
44 lb bag	\$13.25 /lb
220 lb (5 bags)	\$12.50 /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

(5.0% Ca, 1.0% B)

#### 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	\$20.00 /gal
5+ gal case	\$19.00 /gal
20+ gal	\$18.50 /gal

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

20+ gal	\$18.00 /gal
80+ gal	\$17.00 /gal
Pallet (180 gal)	\$15.00 /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 - CHELATED**

**(AMINO ACID)**

**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 (iug)	\$22.50 /lb
10+ lb	\$19.25 /lb
20+ lb	\$18.50 /lb
40+ lb	\$18.00 /lb
44 lb bag	\$15.00 /lb

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

20+ lb	\$17.75 /lb
40+ lb	\$17.00 /lb
44 lb bag	\$14.00 /lb
220 lb (5 bags)	\$13.25 /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

**Direct Ship Only**

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

20+ lb	\$17.75 /lb
40+ lb	\$17.00 /lb
44 lb bag	\$14.00 /lb
220 lb (5 bags)	\$13.25 /lb

*Larger Quantities - Call for quote*

**JH Biotech**

**OR BIOMIN BORON**

3.0% Boron

Amino Acid Chelated  
Water Soluble Minerals  
Apply foliar or through drip  
Designed for very efficient and  
rapid mineral uptake.

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

2.5 gal	\$17.00 /gal
5+ gal case	\$16.50 /gal
20+ gal case	\$16.00 /gal

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

20+ gal	\$15.50 /gal
80+ gal	\$15.00 /gal
Pallet (180 gal)	\$12.50 /gal
Drum - 55 gal	\$13.00 /gal
Pallet Tank	\$12.50 /gal

*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**

**°SOLUBLE 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	\$6.75 /lb
1000+ lb	\$6.50 /lb
Pallet (50 lb bags)	\$6.10 /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	\$21.00 /gal
5+ gal	\$20.00 /gal
20+ gal	\$19.25 /gal

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

20+ gal	\$19.00 /gal
80+ gal	\$17.50 /gal
Pallet (180 gal)	\$16.25 /gal

*Larger quantities - Call for quote*

**Valent**

**°PRO GIBB LV PLUS**

Gibberellic Acid

Contains approximately 2.0 grams active ingredient per fluid ounce of formulated product.

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

0.5 gal bottle	\$92.00 /bot
2+ gal (case – 4 btls)	\$89.00 /bot
10+ gal (5 cases)	\$87.00 /bot

*Larger Quantities - Call for quote*

**Ferti-Organic**

**°FULVIC PLUS**

Soluble Powder - 90% Fulvic Acid

Buffers and assists plant nutrient uptake, esp in foliar formulations.

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

50+ lb	\$4.75 /lb
250+ lb	\$4.60 /lb
1000+ lb	\$4.40 /lb
Pallet (50 lb bags)	\$4.15 /lb

*Larger Quantities - Call for quote*

**Working to release and recycle nutrients in the soil**

*for the benefit of plant roots, biologicals (living organisms) in the soil are hard at it 24/7 given the right conditions, (let's just not tell OSHA! ...Or PETA!)*

*These naturally occurring beneficial microbial species are found just ahead and in the previous catalog sections:*

**"Soil Amendments" (page 10-11)**  
and

**"Seed and Seed Trench Treatments" (pages 14-15).**

**DPH Biologicals**

**°SP-1**

Microbial Inoculant

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

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

20+ gal	\$12.85 /gal
80+ gal	\$12.35 /gal
Pallet Tank	\$8.40 /gal
1000 gal (in totes)	\$8.20 /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 Mfr, IL --**

20+ gal	\$12.00 /gal
80+ gal	\$11.50 /gal
Pallet Tank	\$7.75 /gal
1000 gal (in totes)	\$7.50 /gal

*Larger Quantities - Call for quote*

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

**"BIOSTIMULANTS" (cont)**

**"The Friendly Fungus"**

**Myco Pro**  
**MYCORRHIZAE**  
**ENDO FUNGAL SPECIES**  
 Symbiotic with Plant Roots  
 Appropriate for a Wide Variety of  
 Plants, Including Fruit and Nut  
 Trees, Vegetables and Turfgrass.

---

**MYCOPRO AG**  
 5 endo species blend  
 For dry or liquid application.  
 Suspendable in water with  
 agitation.  
 1 pound treats up to 1 acre

**Direct Ship Only**  
**-- FOB CA --**

20+ lb	\$13.50 /lb
100+ lb	\$13.25 /lb
400+ lb	\$12.75 /lb

---

**MYCOPRO AG PLUS**  
 5 endo species blend  
 Concentrated,  
 Easily suspendable powder.  
 1 pound treats up to 150 acres

**Direct Ship Only**  
**-- FOB CA --**

1 lb	\$1285.00 /lb
2 lb	\$1240.00 /lb
4 lb	\$1230.00 /lb
10 lb	\$1200.00 /lb

**Mycorrhizal Relationships**

**Endomycorrhizal Plants:**  
*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**  
**MYCORRHIZAE**  
 Symbiotic with Plant Roots

---

**ENDO FUNGAL SPECIES**

**GRANULAR ENDO**  
 4 species blend  
 For soil or media application  
 Appropriate for a Wide Variety of  
 Plants, Including Fruit and Nut  
 Trees, Vegetables and Turfgrass.

**Direct Ship Only**  
**-- FOB CA --**

40+ lb	\$10.00 /lb
200+ lb	\$9.50 /lb
800+ lb	\$9.15 /lb

---

**ENDO-ECTO FUNGAL SPECIES**

Products below are appropriate  
 for conifers, oaks  
 pecans, and others.

**ULTRAFINE ENDO / ECTO**  
 4 Endo / 7 Ecto Species  
 For dry or liquid application.  
 Suspendable in water with  
 agitation.

**Direct Ship Only**  
**-- FOB CA --**

20+ lb	\$20.50 /lb
100+ lb	\$19.25 /lb
400+ lb	\$18.50 /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	\$48.00 /lb
4+ lb	\$45.00 /lb
20+ lb	\$44.00 /lb
100+ lb	\$42.50 /lb

# Plant Nutrition

Selected For Compatibility with Soil Health and Nutrient Uptake Efficiency

**"BIOSTIMULANTS" (cont)**

The **NRG Activate Series** of organisms have been shown to achieve optimal results when incorporated into a 'rich' soil with readily available organic food sources, OR when they are applied with natural food sources, such as liquid fish, humic acids, etc, And they work especially well when applied with **NRG's proprietary formulated food source: Wake-Up Organo.**

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

**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 --**  
**Clearance Pricing on In-Stock Inventory**  
 15.9 lbs available (PMSLA)  
 1 lb (pkg) \$35.00 /lb  
 5.3 lb (bucket) \$30.00 /lb

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

5.3 lb (bucket)	\$35.00 /lb
31.8 lb (bucket)	\$30.00 /lb
159 lb (5 buckets)	\$28.50 /lb
1000+ lb	\$27.50 /lb

*Larger Quantities - Call for quote*

**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*

# Plant Protection

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

## PESTS AND DISEASES

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

### Agro Logistics

OR **DEBUG ON**

Botanical Fungicide/Miticide

Clarified, Hydrophilic  
Extract of Neem Oil

See also Trilogy

-- FOB EO Warehouse, Texas --

Clearance Price on In-Stock Inventory

120 gal available

2.5 gal	\$35.00	/gal
5+ gal	\$35.00	/gal
20+ gal	\$35.00	/gal
80+ gal	\$35.00	/gal
Pallet (180 gal)	Quote	/gal

See Clearance page for more info

### Agro Research

OR **THYME GUARD**

Liquid Fungicide / Bacteriacide

23% Thyme Oil

Broad spectrum - works both on  
contact and systemically.

Direct Ship Only

-- FOB Mfr, FL --

20+ gal	\$94.50	/gal
80+ gal	\$88.00	/gal
Pallet (180 gal)	\$82.50	/gal
Drum (55 gal)	\$82.00	/gal
Drums (4-55 gal)	\$80.00	/gal

Larger Quantities - Call for quote

### Bayer

OR **SERENADE ASO**

Bacillus subtilis  
strain QST 713

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

Direct Ship Only

-- FOB Mfr --

5+ gal	\$53.50	/gal
20+ gal	\$52.00	/gal
80+ gal	\$50.75	/gal

Larger Quantities - Call for quote

### Brandt (Imerys Minerals)

OR **CELITE 610**

Diatomaceous Earth

Broad Spectrum Label

Direct Ship Only

-- FOB Mfr, Texas --

Pallet (840+ lb)	\$1.60	/lb
3+ Pallets (2520+ lb)	\$1.55	/lb
16+ Pallets (13440+ lb)	\$1.50	/lb

### Brandt

OR **ECOTEC PLUS**

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

-- FOB EO Warehouse, Texas --

2.5 gal	\$127.00	/gal
5+ gal	\$122.00	/gal
20+ gal	\$117.25	/gal

-- FOB Mfr, XX --

20+ gal	\$115.00	/gal
80+ gal	\$112.00	/gal
Pallet (180 gal)	\$104.00	/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 --

Clearance Pricing on In-Stock Inventory

20 gal available

2.5 gal	\$15.00	/gal
5+ gal	\$14.00	/gal
20+ gal	\$13.00	/gal

See Clearance page for more info

-- FOB Mfr, CA --

20+ gal	\$12.50	/gal
80+ gal	\$12.00	/gal
Pallet (180 gal)	\$10.50	/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	\$115.00	/gal
10+ gal	\$111.00	/gal
20+ gal	\$108.00	/gal
80+ gal	\$106.00	/gal
Pallet (160 gal)	\$96.00	/gal

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)	Quote	/gal
3 Pallet Tanks	Quote	/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 --

Clearance Price on In-Stock Inventory

120 gal available

2.5 gal	\$8.00	/gal
5+ gal	\$8.00	/gal
20+ gal	\$8.00	/gal

See Clearance page for more info

-- FOB Mfr, CA / IL --

20+ gal	\$17.50	/gal
80+ gal	\$17.00	/gal
Pallet (240 gal)	\$15.50	/gal
3 Pallets (720 gal)	\$15.00	/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 **BOTEGHA ES**

Liquid - Emulsifiable

Beauveria Bassiana

Insecticide - Parasitic Fungus

Keep cool for long term storage.

(Below 68 degrees F)

-- FOB EO Warehouse, Texas --

Clearance Pricing on In-Stock Inventory

18 gal available

1 gal \$280.00 /gal

4+ gal \$270.00 /gal

-- FOB Mfr, CA / WA --

4+ gal \$298.00 /gal

20+ gal \$290.00 /gal

80+ gal \$283.00 /gal

Pallet (144 gal) \$273.00 /gal

Larger quantities - Call for quote

### Certis

OR **CUEVA**

Copper Octoanate (Soap)

Bactericide, Fungicide

Broad spectrum, low burn potential

Low toxicity potential

-- FOB EO Warehouse, Texas --

2.5 gal \$49.00 /gal

5+ gal \$47.00 /gal

20+ gal \$45.50 /gal

-- FOB Mfr, CA / WA --

20+ gal \$45.50 /gal

80+ gal \$43.00 /gal

Pallet (180 gal) \$41.50 /gal

Larger quantities - Call for quote

### Certis

OR **DES-X**

Insecticidal Soap

-- FOB EO Warehouse, Texas --

2.5 gal \$48.00 /gal

5+ gal \$46.00 /gal

20+ gal \$45.00 /gal

-- FOB Mfr, CA / WA --

20+ gal \$45.00 /gal

80+ gal \$42.50 /gal

Pallet (180 gal) \$41.00 /gal

Larger Quantities - Call for quote

### Certis

OR **DOUBLE NICKEL LC**

Bacillus amyloliquefaciens strain D747 (Liquid)

Fungicide/Bactericide

Broad spectrum preventive biofungicide

for control or suppression of fungal and bacterial plant diseases.

Use in soil or as foliar spray.

-- FOB EO Warehouse, Texas --

Clearance Pricing on In-Stock Inventory

30 gal available

2.5+ gal \$65.00 /gal

20+ gal \$60.00 /gal

-- FOB Mfr, CA / WA --

20+ gal \$70.00 /gal

80+ gal \$67.00 /gal

Pallet (180 gal) \$66.00 /gal

Larger Quantities - Call for quote

### Certis

OR **DOUBLE NICKEL 55**

Bacillus amyloliquefaciens strain D747 (Dry)

Fungicide/Bactericide

See full description above.

-- FOB Mfr, CA / WA --

20+ lb \$33.00 /lb

100+ lb \$32.00 /lb

720+ lb \$31.00 /lb

Larger Quantities - Call for quote

### Certis

OR **GEMSTAR**

Insecticidal Virus

Specifically for Corn Earworm

aka Cotton Bollworm, Tomato Fruitworm, Sorghum Headworm

Store unopened containers in refrigerator at 39-40 degrees F or keep frozen.

-- FOB EO Warehouse, Texas --

Quarts discontinued by manufacturer

7 qt available@ \$30.00 /qt

-- FOB Mfr, CA / WA --

PRICING BELOW IN 2.5 GAL JUGS

5+ gal \$175.00 /gal

20+ gal \$170.00 /gal

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 \$16.50 /lb

20+ lb \$15.50 /lb

-- FOB Mfr, CA / WA --

20+ lb \$15.50 /lb

100+ lb \$14.50 /lb

Pallet (720 lb) \$14.25 /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 \$145.00 /lb

4+ lb \$142.00 /lb

20+ lb \$139.00 /lb

-- FOB Mfr, CA / WA --

20+ lb \$139.00 /lb

100+ lb \$133.00 /lb

200+ lb \$130.00 /lb

Larger quantities - Call for quote

### Certis

OR **MELOCON**

Liquid Nematicide

Biological Nematode Control

Keep cool for long term storage

(Below 68 degrees F)

-- FOB EO Warehouse, Texas --

Clearance Price on In-Stock Inventory

9 bottles available

35 oz bottle \$125.00 /btl

-- FOB Mfr, CA / WA --

12+ bottles \$270.00 /btl

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	\$218.00/qt
2+ qt	\$215.00/qt
6+ qt	\$210.00/qt

-- FOB Mfr, CA / WA --

6+ qt	\$210.00/qt
30+ qt	\$202.00/qt

Larger quantities - Call for quote

**Certis**  
OR **OSO 5% SC**

Polyoxin D zinc salt  
For Control of Fungal Diseases

-- FOB Mfr, CA / WA --

6+ qt	\$171.00/qt
30+ qt	\$165.00/qt

Larger quantities - Call for quote

**Certis**  
OR **PFR 97**

Isaria fumosorosea (Live Product)  
Broad spectrum microbial insecticide for foliar and soil applications.

Store unopened containers in refrigerator at 39-40 degrees F or keep frozen.

-- FOB EO Warehouse, Texas --  
Clearance Price on In-Stock Inventory

35 lb available

5+ lb	\$30.00 /lb
20+ lb	\$30.00 /lb

-- FOB Mfr, CA / WA --

20+ lb	\$42.00 /lb
100+ lb	\$40.00 /lb
400+ lb	\$39.00 /lb

Larger quantities - Call for quote

**Certis**  
OR **SEDUCE**

Insect Bait w/Spinosad  
Attracts and kills ants, earwigs, cutworm

-- FOB EO Warehouse, Texas --  
Clearance Price on In-Stock Inventory

700 lbs available

50+ lb	\$4.50 /lb
250+ lb	\$4.00 /lb

-- FOB Mfr, CA / WA --

1000+ lb	\$4.75 /lb
Pallet (40 - 50 lb bags)	\$4.50 /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 desiccation.

Very pH sensitive

See our website for important usage notes

-- FOB EO Warehouse, Texas --

2.5 gal	\$35.00 /gal
5+ gal	\$33.00 /gal
20+ gal	\$32.00 /gal

-- FOB Mfr, CA / WA --

20+ gal	\$32.50 /gal
80+ gal	\$30.50 /gal
Pallet (180 gal)	\$29.50 /gal

Larger quantities - Call for quote

**Certis**  
OR **SOILGARD**

Gliocladium virens(Live Product)  
Suitable for incorporation into soil or soilless media for control of fungal diseases.

Keep cool for long term storage

(Below 68 degrees F)

-- FOB Mfr, CA / WA --

20+ lb	\$20.00 /lb
100+ lb	\$19.00 /lb
720+ lb	\$18.00 /lb

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	\$75.00 /gal
5+ gal	\$72.00 /gal
20+ gal	\$69.00 /gal

-- FOB Mfr, CA / WA --

20+ gal	\$69.00 /gal
80+ gal	\$67.00 /gal
Pallet (180 gal)	\$66.00 /gal

Larger quantities - Call for quote

**Corteva**  
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	\$605.00/qt
4+ qt	\$600.00/qt
8+ qt	\$596.00/qt
12+ qt	\$593.00/qt

Larger Quantities - Call for quote

**Ferti-Organic**  
OR **FERTI-NEEM OIL**

Cold Pressed Neem Oil  
Insect Growth Regulator  
Repellent, Anti Feedant, and Fungicide

-- FOB EO Warehouse, Texas --

1 gal	\$59.00 /gal
5+ gal	\$55.00 /gal
20+ gal	\$53.00 /gal
80+ gal	\$51.50 /gal
Pallet (160 gal)	\$50.00 /gal
Drum - 55 gal	\$51.00 /gal
Drums 4-55 gal	\$49.50 /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 OR **BIOREPEL**

Natural Insect Repellent  
Garlic Based Anti-Feedant, Repellent

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

2.5 gal	\$54.00 /gal
5+ gal	\$52.50 /gal
20+ gal	\$51.00 /gal

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

20+ gal	\$51.00 /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 **FOSPHITE**

Systemic fungicide / Growth promoter  
**NOT ALLOWED FOR ORGANIC**

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

**Clearance Price on In-Stock Inventory**

26 gal available @ \$12.00 /gal

*See Clearance page for more info*

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

20+ gal	\$27.50 /gal
80+ gal	\$26.25 /gal
Pallet (180 gal)	\$23.25 /gal

*Larger quantities - Call for quote*

### JH Biotech OR **PEST OUT**

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

**Direct Ship Only**

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

20+ gal	\$57.75 /gal
80+ gal	\$55.50 /gal
Pallet (180 gal)	\$53.00 /gal

*Larger quantities - Call for quote*

### KeyPlex OR **KEYPLEX 350 OR**

Yeast Hydrolysate from  
*Saccharomyces cerevisiae*  
Fungicide

Aids in the prevention of certain plant diseases such as post-bloom fruit drop, greasy spot diseases of citrus, and bacterial leaf spot of tomatoes. Elicits production of defensive proteins in certain plants. See Label.

**Direct Ship Only**

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

20+ gal	\$36.50 /gal
80+ gal	\$35.50 /gal
Pallet (180 gal)	\$34.50 /gal

*Larger Quantities - Call for quote*

### KeyPlex OR **AWP**

Contains Thyme, Cinnamon, Rosemary, and Sesame Oils PLUS Geraniol  
Broad spectrum insecticide and miticide

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

2.5 gal	\$114.00 /gal
5+ gal	\$110.00 /gal
20+ gal	\$105.00 /gal

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

20+ gal	\$103.00 /gal
80+ gal	\$100.00 /gal
Pallet (180 gal)	\$98.00 /gal
Pallet Tank (275 gal)	\$92.50 /gal

*Larger Quantities - Call for quote*

## 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 to mate.*

### 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	\$117.00 /gal
4+ gal	\$112.50 /gal

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

20+ gal	\$106.00 /gal
80+ gal	\$103.00 /gal
Pallet (144 gal)	\$100.00 /gal

*Larger Quantities - Call for quote*

### Marrone Bio Innovations OR **REGALIA**

Reynoutria sachalinensis  
Broad Spectrum BioFungicide  
Plant extract. Boosts the plants' defense mechanisms to protect against certain fungal and bacterial diseases, and to improve plant health.

**Direct Ship Only**

-- **FOB Mfr** --

20+ gal	\$102.50 /gal
80+ gal	\$100.00 /gal
Pallet (144 gal)	\$97.50 /gal

*Larger Quantities - Call for quote*

# Plant Protection

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

## PESTS AND DISEASES, (CONT)

### Novozymes BioAg OR **ACTINOVATE AG**

Biological Fungicide and Bactericide  
Streptomyces lydicus strain WYEC 108

Broad spectrum activity on foliar and soil diseases in a wide variety of crops.

**Direct Ship Only**  
-- FOB Mfr --

216+ oz (12 - 18 oz bags)	\$6.25 /oz
20+ lb 5 lb bags	\$88.00 /lb
60+ lb 5 lb bags	\$86.00 /lb
200+ lb 5 lb bags	\$83.00 /lb

*Larger quantities - Call for quote*

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

Diatomaceous Earth  
Controls pests in grain storage.

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

Pallet (50 lb bags)	\$0.61 /lb
13+ Pallets	\$0.41 /lb
Van Truckload	\$0.36 /lb

*Larger Quantities - Call for quote*

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

Diatomaceous Earth w/Pyrethrins and (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	\$7.00 /lb
750+ lb	\$6.75 /lb
Pallet (30 lb bags)	\$6.25 /lb

*Larger Quantities - Call for quote*

### United Phosphorus, Inc OR **MICROTHIOL DISPERSS**

Micronized Wettable Sulfur  
Fungicide, Miticide

Water Dispersible Granule

**Direct Ship Only**  
-- FOB Mfr --

150+ lb	<b>Quote</b> /lb
960+ lb	<b>Quote</b> /lb
Pallet (1890 lb)	<b>Quote</b> /lb
5 Pallet (9450 lb)	<b>Quote</b> /lb

*Larger Quantities - Call for quote*

### Valent OR **AZERA**

Dual Mode of Action  
Azadirachtin and Pyrethrins  
Kills on contact and/or by ingestion.

**Direct Ship Only**  
-- FOB Mfr --

4+ gal	\$290.00 /gal
20+ gal	\$287.00 /gal

*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 --

5+ lb	\$16.00 /lb
30+ lb	\$15.50 /lb

-- FOB Mfr --

30+ lb	\$15.50 /lb
150+ lb	\$15.00 /lb
Pallet (630 lb)	\$14.25 /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	\$20.50 /lb
30+ lb	\$20.00 /lb

-- FOB Mfr --

30+ lb	\$20.00 /lb
150+ lb	\$19.25 /lb
Pallet (630 lb)	\$18.25 /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 --

**Clearance Price on In-Stock Inventory**  
**18 gal available @ \$150.00 /gal**

-- FOB Mfr --

80+ gal	\$201.00 /gal
Pallet (144 gal)	\$200.00 /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 EO Warehouse, Texas --

**Clearance Price on In-Stock Inventory**  
**4 gal avail @ \$590.00 /gal**

-- FOB Mfr --

6+ gal	\$610.00 /gal
20+ gal	\$600.00 /gal

*Larger Quantities - Call for quote*

# Plant Protection

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

## PESTS AND DISEASES,

### H2O2/PAA

The products in this category 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.

### **Biosafe**

OR **OXIDATE 5.0**

H2O2 and PAA

Field Label - Contact Kill

(see **Water Treatments** for much higher PAA concentrations)

Broad Spectrum Activity Against a Wide Range of Plant Pathogens,

**Note:** Earthwise advises growers to repopulate plant surfaces with beneficial microbes soon after treatment with Peroxide/PAA products.

**Direct Ship Only**

-- FOB Mfr, CT --

2.5 gal	\$32.50 /gal
5+ gal	\$31.50 /gal
Drum - 30 gal	\$30.50 /gal
Drum - 55 gal	\$29.50 /gal
Drums 4-55 gal	\$28.75 /gal
Pallet Tank	\$28.25 /gal

Larger quantities - Call for quote

### **Brandt**

OR **PERAGREEN 5.6%**

H2O2 and PAA

Field and Processing Label

(see **Water Treatments** for much higher PAA concentrations)

Broad Spectrum Activity Against a Wide Range of Plant Pathogens.

**Note:** Earthwise advises growers to repopulate plant surfaces with beneficial microbes soon after treatment with Peroxide/PAA products.

**Direct Ship Only**

-- FOB Mfr, CA / IL --

4.75 gal	\$27.00 /gal
Drum - 28.88 gal	\$21.50 /gal
Drum - 54 gal	\$20.50 /gal
Drums 4-54 gal	\$19.50 /gal
Pallet Tank	\$18.50 /gal

Larger Quantities - Call for quote

## **Hydrogen Peroxide and Peroxyacetic Acid quite a pair!**

This combination is powerful enough to be the preferred sterilizer for medical equipment and hospital surfaces.

These useful and versatile products are often used for post harvest sanitation of vegetables and fruit.

These and other similar chemistries are also used for cleaning equipment in the packing shed and for cleaning reusable field packaging, such as plastic boxes and bins.

You can find these and more concentrated versions of the same products in the **Post Harvest and Water Treatments** sections coming right up!

## **Jet Harvest Solutions**

OR **JET AG - 5%**

Field and Processing Label

(see **Water Treatments** for much higher PAA concentrations)

Broad Spectrum Activity Against a Wide Range of Plant Pathogens.

**Note:** Earthwise advises growers to repopulate plant surfaces with beneficial microbes soon after treatment with Peroxide/PAA products.

**Direct Ship Only**

-- FOB Mfr, MO --

Drums 5-30 gal	\$32.00 /gal
Drums 4-55 gal	\$28.25 /gal
Pallet Tank	\$27.25 /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.

**Direct Ship Only**

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

20+ gal	\$70.00 /gal
80+ gal	\$67.00 /gal
Pallet (180 gal)	\$60.00 /gal
Pallet Tank	\$58.00 /gal

*Larger Quantities - Call for quote*

**Fleischmann's Vinegar**

OR **VINAGREEN**

20% White Vinegar  
WSDA certified as Herbicide

-- FOB EO Warehouse, Texas --

55 gal	\$8.00 /gal
220 gal	\$7.75 /gal
880 gal	\$7.25 /gal

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

Drums 4-55 gal **Quote /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	\$76.00 /gal
5+ gal	\$74.00 /gal
20+ gal	\$72.00 /gal

-- FOB Mfr, CA / WA --

20+ gal	\$72.00 /gal
80+ gal	\$70.00 /gal
Pallet (180 gal)	\$67.00 /gal
Pallet Tank	\$66.00 /gal

*Larger Quantities - Call for quote*

**Agro Research**

**WEED SLAYER - KITT**

Liquid Essential Oil Herbicide  
Systemically acting, 2-Part Product  
with specific tank water pH requirement  
Kills all sizes of grasses and broadleaf  
down to roots through the action of  
clove oil extracts (eugenol).

**NOT ALLOWED FOR ORGANIC**

-- FOB EO Warehouse, Texas --

**Clearance Price on In-Stock Inventory**

2 qt KITT  
9 KITTs available @ \$30.00 /qt

5 gal KITT  
11 KITTs available @ \$55.00 /gal  
*See Clearance page for more info*

## ENVIRONMENTAL STRESS

**Sipcam/Advan**

OR **COCOON**

Sprayable Kaolinite  
Now available in 25 lb bags

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

**Direct Ship Only**

-- FOB Mfr, CA --

Pallet (1750 lb) **Quote /lb**  
*Larger Quantities - Call for quote*

**Certis**

**AGSIL 25**

Foliar/Soil Available Bionutrient

Liquid 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 Mfr, CA / WA --

Drum - 55 gal	\$29.00 /gal
220 gal (in drums)	\$27.00 /gal

*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 in this category 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 and Process Sanitizer

H2O2 / Peroxyacetic Acid (PAA)

Broad efficacy against food spoilage organisms.

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

2.5 gal	\$40.00 /gal
5 gal	\$37.00 /gal
Drum - 30 gal	\$34.00 /gal
Drum - 55 gal	\$32.00 /gal
Drums 4-55 gal	\$30.50 /gal
Pallet Tank	\$28.00 /gal

*Larger Quantities - Call for quote*

### Brandt

#### OR PERAGREEN 5.6%

Field, Post Harvest and Process Sanitizer

H2O2 / Peroxyacetic Acid (PAA)

Broad efficacy against plant pathogens and food spoilage organisms.

**Direct Ship Only**

-- FOB Mfr, CA / IL --

4.75 gal	\$27.00 /gal
Drum – 28.88 gal	\$21.50 /gal
Drum - 54 gal	\$20.50 /gal
Drums 4-54 gal	\$19.50 /gal
Pallet Tank	\$18.50 /gal

*Larger Quantities - Call for quote*

### Brandt

#### OR PERAGREEN 15%

Post Harvest and Process Sanitizer

H2O2 / Peroxyacetic Acid (PAA)

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

**Direct Ship Only**

-- FOB Mfr, CA / IL --

Drum – 28.88 gal	\$23.00 /gal
Drum - 54 gal	\$22.00 /gal
Drums 4-54 gal	\$21.00 /gal
Pallet Tank	\$19.75 /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 --

Drums 5-30 gal	\$23.25 /gal
Drums 4-55 gal	\$22.00 /gal
Pallet Tank	\$21.50 /gal

*Larger Quantities - Call for quote*

### Jet Harvest Solutions

#### °JET OXIDE - 15%

Post Harvest Sanitizer  
H<sub>2</sub>O<sub>2</sub> / Peroxyacetic Acid (PAA)

Broad efficacy against food spoilage organisms.

**Direct Ship Only**

-- FOB Mfr, Various --

Drums 5-30 gal	\$24.00 /gal
Drums 4-55 gal	\$23.00 /gal
Pallet Tank	\$22.50 /gal

*Larger Quantities - Call for quote*

# Water Treatments

Surfactants, Wetting Agents, Disinfectants, Equipment Cleaners and more

## IRRIGATION AIDS

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 dramatic improvements to crop yield and quality.

### Diamond K °GYPSUM SOLUTION GRADE 97

Calcium Sulfate

Water soluble powder; can be applied through drip or pivot to improve irrigation water and soil/root environments.

-- FOB EO Warehouse, Texas --

50+ lb	\$0.42 /lb
250+ lb	\$0.39 /lb
1000+ lb	\$0.37 /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/root environments.

-- 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

## 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	\$12.50 /gal
Drum - 55 gal	\$11.50 /gal
Drums 4-55 gal	\$10.50 /gal
Pallet Tank	\$8.25 /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

105 gal available @ \$30.00 /gal  
See Clearance page for more info

-- FOB Mfr, UT --

Pallet (180 gal)	\$42.00 /gal
Pallet Tank	\$40.00 /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	\$22.75 /gal
5+ gal case	\$22.00 /gal
20+ gal	\$21.50 /gal

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

20+ gal	\$20.50 /gal
80+ gal	\$19.75 /gal
Pallet (180 gal)	\$17.50 /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
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Direct Ship Only

-- FOB Mfr TN --

Pallet Tank	Quote /gal
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Larger Quantities - Call for quote

# Livestock Feed & Supplements

## LIVESTOCK

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

### Redmond

#### <sup>o</sup>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	\$0.33 /lb
Pallet (50 lb bags)	\$0.31 /lb

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

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

### Redmond

#### <sup>o</sup>NATURAL MINERAL SALT BLOCKS

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

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

44+ lb	\$0.44 /lb
220+ lb	\$0.42 /lb
1100+ lb	\$0.41 /lb
Pallet (44 lb blocks)	\$0.38 /lb

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

Pallet (44 lb blocks)	\$0.14 /lb
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*Larger Quantities - Call for quote*

### Redmond

#### <sup>o</sup>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	\$0.43 /lb
1000+ lb	\$0.41 /lb

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

Pallet (50 lb bags)	\$0.18 /lb
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*Larger Quantities - Call for quote*

### Azomite Minerals <sup>o</sup>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 EO Warehouse, Texas --**

44+ lb	\$0.47 /lb
220+ lb	\$0.45 /lb
1100+ lb	\$0.43 /lb

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

1100+ lb	\$0.36 /lb
Pallet (44 lb bags)	\$0.35 /lb
3+ pallets (6600+ lb)	\$0.34 /lb
10+ pallets (22000+ lb)	\$0.33 /lb

*Larger Quantities - Call for quote*

### Perma-Guard <sup>o</sup>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 Mfr, TX --**

250+ lb	\$0.74 /lb
1000+ lb	\$0.66 /lb
Pallet (50 lb bags)	\$0.64 /lb

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

Pallet (50 lb bags)	\$0.52 /lb
13+ Pallets	\$0.33 /lb
Van Truckload	\$0.28 /lb

*Larger Quantities - Call for quote*

### Restora Life

<sup>o</sup>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*

### Tidal Organics

<sup>o</sup>KELP MEAL

Feed supplement,  
Animal Health supplement

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

50+ lb	\$3.60 /lb
250+ lb	\$3.40 /lb

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

250+ lb	\$3.10 /lb
1000+ lb	\$2.90 /lb
Pallet (50 lb bags)	\$2.20 /lb

*Larger Quantities - Call for quote*



# Livestock Feed & Supplements

LIVESTOCK (CONT)

Wick's Livestock Nutrition

<sup>o</sup>ORGANIC

**APPLE CIDER VINEGAR**

**6% (60 grain)**

Organic

Raw, unfiltered apple cider,  
Animal health supplement.

-- FOB Mfr, NE --

Drum - (55 gal)	\$7.40 /gal
Drums (4-55 gal)	\$7.00 /gal
Pallet Tank (275 gal)	\$6.75 /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)	\$4.90 /gal
Drums (4-55 gal)	\$4.60 /gal
Pallet Tank (275 gal)	\$4.35 /gal

*Larger Quantities - Call for quote*

**Apple Cider Vinegar**

*has long been used as a digestive 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. Our Apple Cider Vinegar comes with "the mother"*

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**Apple Cider Vinegar**

**"with the "Mother"**



**Good for cattle!**  
**That's no Bull!**

**Kerry**

<sup>o</sup>FLEISCHMANN'S ORGANIC

**APPLE CIDER VINEGAR**

**6% (60 grain)**

Organic

Raw, unfiltered apple cider,  
Animal health supplement.

-- FOB Mfr, NY --

Drums (4-55 gal)	Quote /gal
Pallet Tank (275 gal)	Quote /gal
Bulk Truck (5500 gal)	Quote /gal

*Larger Quantities - Call for quote*

**Kerry**

**FLEISCHMANN'S**

**APPLE CIDER VINEGAR**

**6% (60 grain)**

Conventional

Raw, unfiltered apple cider,  
Animal health supplement.

(Allowed for Grassfed)

-- FOB Mfr, NY --

Drums (4-55 gal)	Quote /gal
Pallet Tank (275 gal)	Quote /gal
Bulk Truck (5500 gal)	Quote /gal

*Larger Quantities - Call for quote*

# 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*

### Garden Moisture Meters

Simple and inexpensive meters  
that indicate immediately  
whether the garden soil is wet,  
moist, or dry

*Call to learn more*

## HARD TO CLASSIFY

### ° EARTHWORM CASTINGS

-- FOB EO Warehouse, Texas --

400 lb	\$1.20 /lb
400+ lb	\$1.15 /lb

-- FOB Mfr, TX --

Pallet (25 lb bags)	\$0.90 /lb
Super Bag (+/- 1400 lb)	\$0.60 /lb

### ° EARTHWORM CASTINGS w/ MYCORRHIZAE

-- FOB Mfr, TX --

400 lb (10 lb bags)	\$2.10 /lb
1000 lb (10 lb bags)	\$2.00 /lb
Pallet (10 lb bags)	\$1.90 /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	<i>clearance/in stock</i>	\$2.50 /lb
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-- FOB Mfr, TX --

250+ lb	\$3.55 /lb
1000+ lb	\$3.40 /lb
Pallet (50 lb bags)	\$3.20 /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 10 Usage Rates 1 - 3 oz*

**Direct Ship Only**

-- FOB Mfr, IL --

1+ lb	\$125.00 /lb
5+ lb	\$115.00 /lb
10+ lb	\$107.00 /lb
30+ lb	\$101.00 /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 = about 170 gallons

**Not allowed for**

**Organic Animal Supplement**

**Direct Ship Only**

-- FOB Mfr, TX, TN, CA, AZ etc --

1/2 Bulk Truckload	<b>Quote /ton</b>
Bulk Truckload	<b>Quote /ton</b>

*Larger Quantities - Call for quote*

### Tidal Organics

#### ° KELP MEAL

Feed supplement,  
Animal Health supplement

-- FOB EO Warehouse, Texas --

50+ lb	\$3.60 /lb
250+ lb	\$3.40 /lb

-- FOB Mfr, TX --

250+ lb	\$3.10 /lb
1000+ lb	\$2.90 /lb
Pallet (50 lb bags)	\$2.20 /lb

*Larger Quantities - Call for quote*