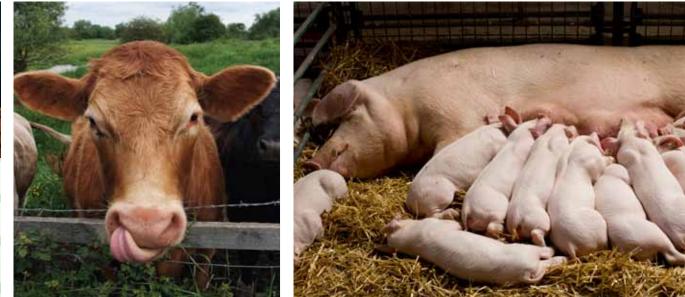


Essential Products for Healthy Farming



Livestock Support Catalog





Agri-Dynamics has been a leader in the sustainable agriculture arena for almost forty years. Our current product line includes remedies for dairy animals, free-choice minerals for grazing livestock, including horses and liquid nutritional products for all crops, including fruit, vegetable, row crops and pasture. Our products are available through distributors who adhere to the same principles our business was founded on. We believe that the true health of our planet, its inhabitants and the food they eat depends on the health of the soil. Our products are designed to complement a whole systems approach where nature is the greatest teacher and example.

This catalog provides product overviews, ingredients and analyses for our remedy line. Our equine line, mineral line for grazing livestock and liquid line for crops are featured in separate catalogs which can be found at www.agri-dynamics.com or obtained by contacting our office at 877-393-4484.



Nutritional Support

Dyna-Vites[™]

A supplement for Lactating and Non-Lactating Dairy Cows.

Dyna-Vites[™] contain a full spectrum of fat and water-soluble vitamins, essential minerals, and herbals with direct fed microbials to support metabolic activity in high production dairy cows, fresh cows, and cows under stress.

Directions for Use: Administer 2 capsules on day 1, 1 capsule on day 2 and 1 capsule on day 3, Repeat as needed.

Packaging: 25 capsules per jar, 12 jars per case.

🗳 Organic Eligibility

Aqua-Nox Stock Saver[™]

A livestock water conditioner consisting of a soluble kelp powder fortified with chelated micronutrients.

Aqua-Nox[™] can be substituted for dried kelp meal for ease of use, cost effectiveness, and palatability.

Directions for Use: For livestock that are under stress from shipping, weaning, birthing and weather extremes, mix 4 oz for every 100 gallons of water. Administer for 5-7 days. For maintenance, mix 2 oz for every 100 gallons of water.

Packaging: 6 lb. bucket.

🕜 Organic Eligibility

Hemocel 100[™]

A pre-mix supplement intended for further blending in feed for high production cows.

A high perfomance dairy formulation developed in 1982 for both dry and lactating cows as well as livestock requiring additional micro-nutrients due to nutrient depletions associated with calving, mastitis and ketosis. In addition to a broad spectrum of vitamins and minerals, **Hemocel 100**[™] includes digestive factors.

Directions for Use: See label directions for feeding instructions.

Packaging: 12 lb. and 50 lb. bags

< Organic Eligibility

Hemocel Bullets[™]

Digestive and nutritional support at calving, shipping, off feed, or veterinary visits is critical.

Hemocel Bullets[™] are an effective way to deliver a complex suite of vitamins, minerals, beneficial digestive organisms and enzymes for the rumen and intestine.

Directions for Use: Cattle 500-1,000 lbs: 1 capsule per head orally once daily for up to three days. Cattle over 1,000 lbs: 1 capsule per head orally once or twice daily for up to three days.

Packaging: 25 capsules per jar, 12 jars per case.

🕜 Organic Eligibility

Nutritional Support

Ketonic™

The energy supplement for cows and calves.

Ketonic™, a combination of carbohydrates. is an immediate source of energy for cattle that are stressed from metabolic disorders caused by a change in feed. **Ketonic™** also contains nutritional supplements, natural herbal extractives and vitamins to support health.

Directions for Use: Give 1fl. oz (28 ml) per 100 lbs of body weight once or twice daily.

Packaging: 1 gallon jugs, 4 jugs per case.

🕜 Organic Eligibility

Super Start Calf Bullets™

A kelp supplement for dairy calves with herbs, enzymes, vitamins and microbials

A premium product providing nutritional support for calves that are under stress. This complex formulation developed by Jerry Brunetti is based on kelp and covers all the bases, by including numerous microbials, herbs, minerals, electrolytes and vitamins.

Directions for use: 1 or 2 capsules at birth and before or after shipping. May be repeated as necessary.

Packaging: 50 capsules per jar, 12 jars per case.

Power Fresh[™]

A supplement for dairy cows at calving with bioavailable minerals and Vitamin D.

An encapsulated formula of complexed and chelated minerals specifically created to provide critical minerals for lactating and non-lactating dairy cows when nutrients are in high demand, especially at calving. Vitamin D is added as a cofactor to act synergistically with calcium, magnesium, phosphorus, and potassium. No caustic calcium chloride added.

Directions for use:

2 capsules per 500 pounds of body weight daily for 3 days following calving.

Packaging: 25 capsules per jar, 12 jars per case.

V Organic Eligibility

Ultra Cal Drench[™] *The safer drench.*

A nutritional supplement for dairy cows at calving to maintain blood calcium with two calcium sources, two magnesium sources, vitamins, micronutrients and cobalt, for appetite support. Does not contain calcium chloride, magnesium chloride, or propylene glycol. **Directions for use:** Add 1 pouch to 2-3 gallons of warm water, administer once or twice daily as recommended by your veterinarian. Can be mixed with **Ketonic**[™].

Packaging: 1lb. pouches; 10 pouches per case.

< Organic Eligibility

Other Products to Consider: Grazier's Essentials[™] Mineral Line

For Ingredients and analyses see appendix, pages 10-15



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Immune Support

Biocel CBT[™]

A supplement for ruminants when the nutrients associated with colostrum may be required.

Biocel CBT[™] is a sterile, ultrafiltered permeate of whey derived from first and second milking colostrum of older cows which are immunologically experienced. The fats and heavy proteins are removed, leaving a milk-derived "serum" rich in nutrients naturally found in colostrums.

Directions for use:

Administered orally. Cattle......50cc daily as needed Calves......20cc daily as needed Goats......20cc daily as needed Kids......5cc daily as needed Sheep......20cc daily as needed Lambs......5cc daily as needed

Packaging: 9 oz bottles,12 per case

🗳 Organic Eligibility

High Potency Vitamin C (HPVC)

For young cattle, sheep, goats, swine and equine.

Ascorbic acid is a vital water soluble vitamin. Increasing Vitamin C levels may be needed in dairy calves up to 3 weeks of age, or when young cattle are reared under stressful conditions, such as cold stress.

Directions for use: Mix 1-2 ounces of HPVC with 16 oz of water per 500 pounds of body weight.

Packaging: 8.5 fl oz bottles, 12 per case.

< Organic Eligibility

Other Products to Consider:

Aqua-Nox[™] (See Nutritional Support) Immu-Phyte[™] (See Agri-Farmacy[™] Botanicals) Phyto-Biotic[™] (See Agri-Farmacy[™] Botanicals) Garlic (See Agri-Farmacy[™] Botanicals) Echinacea (See Agri-Farmacy[™] Botanicals) Winter-Mune[™] (Grazier's Essentials[™] Mineral Line)



Digestive Support

Neema-Tox[™]

A nutritional drench for compromised digestion.

Natural extractives of herbs for digestive support for cattle experiencing diarrhea caused by parasites.

Directions for use: Drench for 3 consecutive days as per label directions based on body weight. Repeat as necessary in 14 – 21 days.

Packaging: 32 oz bottle, 12 per case.

V Organic Eligibility

Vermi-Tox[™] A nutritional drench for ruminants.

Natural extractives of garlic, thyme, peppermint and yucca with chelated micronutrients for digestive support for cattle experiencing diarrhea caused by worms. **Directions for use:** Drench for 3 consecutive days as per label directions based on body weight. Repeat as necessary in 14 – 21 days.

Packaging: 32 oz bottle, 12 per case.

V Organic Eligibility

Other Products to Consider:

Aqua-Nox[™] (See Nutritional Support)

Hemocel Bullets[™] (See Nutritional Support)

Parasite Control[™] (Grazier's Essentials[™] Mineral Line)

Digestone[™] (See Agri-Farmacy[™] Botanicals)

Para-Plex[™] (See Agri-Farmacy[™] Botanicals)

Pest Contol

Ecto-Phyte[™]

All natural aromatic livestock spray.

An essential oil alternative to toxic insecticides to repel flies, lice and fleas. Can be diluted in water or oil for use in automatic parlor sprayers, rub oilers and back pack sprayers.

Directions: For lice, mix a 10% solution with mineral oil and apply along the top line head to tail head, rubbing in thoroughtly. Repeat in 7-10 days to address hatching eggs. For flies, mix a 10% solution with water, mineral oil or a combination of both. Mist livestock liberally. For heavy infestations, increase dilution rate to 30%. May be used in livestock rub oilers. See label for complete instructions.

Packaging: 1 gallon jugs, 4 jugs per case.

Other Products to Consider:

Flies-Be-Gone[™] (Grazier's Essentials[™] Mineral Line)

V Organic Eligibility

Specialty Product

Aqua-Flo[™]

A supplement for pre- and postfreshened ruminant livestock.

Features a unique blend of herbal ingredients that work together as a mild diuretic to increase fluid excretion.

Directions for Use: Dairy Cows: Give 4 capsules on day 1, 2 to 4 capsules on days 2 and 3. Not to be used during pregnancy or lactation.

Packaging: 25 capsules per jar, 12 jars per case.





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AGRI-FARMACY™ BOTANICALS

Quality Herbal Formulas to Complement Integrative Veterinary Medicine

The **Agri-Farmacy**[™] Botanical extracts are manufactured to human grade, providing the highest purity and utmost professional integrity. They are either sustainably wild crafted or organically farmed, and only fresh plants are utilized in **Agri-Farmacy**[™] preparations.

Expert botanists ensure exact identification of plant species; plants are meticulously cleaned, gently washed, and air dried. Extraction is species specific and potencies are standardized for consistency, predictability and ultimate quality assurance. Our formulas have been created with respect for the evolving knowledge shared through naturopathic and herbal teachers and clinical experience.

It is common knowledge that herbs have been used for centuries to prevent and cure numerous diseases and abnormal functions in humans and livestock. However, because the FDA and the EPA have jurisdiction over what we can say about herbs, we cannot claim that herbs do anything. Interestingly, another arm of the federal government publishes an extensive ethnobotanical database on the chemical activity and uses of herbs. It is a wealth of information maintained by the **USDA** National Agricultural Library **https://goo.gl/5Lq6Vc**

V Organic Eligibility

8



Quality Herbal Formulas

IMMU-PHYTE[™]

Botanical Immune System Support Privet berry, Echinacea root, Astragalus root, Licorice root, Siberian Ginseng root

PHYTO-BIOTIC[™]

Botanical Immune and Uterine Douche Garlic bulb, Barberry root, Echinacea root, Goldenseal root, Wild Indigo root

DIGESTONE™

Botanical Digestive Support Ginger root, Yellow Gentian root, Angelica root, Orange peel, Fennel seed

PULMONEX

Botanical Respiratory Support Mullein leaf, Elcampane root, Thyme leaf, Skunk Cabbage root, Wild Cherry bark, Red Clover flower, Hyssop

FEMALE FORTE

Botanical Female Hormonal Support Peony root, Chaste Tree berry, Licorice root, Muellein, Black Cohosh, Saw Palmetto, Motherwort leaf, Wild Yam root, Blue Cohosh, Squaw Vine

HEPATONE™

Botanical Liver Support Dandelion root, Milk Thistle seed, Oregon Grape root, Artichoke leaf, Watercress

STAMINEXTM

Siberian Ginseng root, Schisandra root, Smilax root, Hawthorne berry, Gotu Kola, Licorice root, Fresh Milky Oat seed

$\mathsf{INFLAMAGO}^{{}^{\mathsf{TM}}}$

Botanical Anti-Inflammatory and Analgesic Jamaican Dogwood bark, Meadowsweet, St. John's Wort, White Willow Bark, Tumeric root, Licorice root.

PARA-PLEX[™]

Wormwood leaf, Elcampane root, Garlic, Epasote seed, Neem leaf, Yellow Gentian root, Clove Flower buds.

SINGLE HERBAL EXTRACTS

GARLIC

The premier herbal for immune support

ECHINACEA

The quintessential botanical for immune support

BLUE COHOSH *The female "cycle" plant of choice*

Dosage:

Young Stock: 5-10cc orally, three times a day. Adult Stock: 15-20 cc orally, three times a day.



APPENDIX

Aqua-Flo[™] Ingredients:

Juniperus communis (Juniper Berries), Petroselinum Root (Parsley Root), Eupatorium purpurem Root (Queen of the Meadow Root), Taraxacum officinale Root (Dandelion Root), Arctostaphylos (Uva Uris), Galium aparine (Cleavers), Apium graveolens (Celery Seed)

Guaranteed Analysis: (levels per 4 capsules)

Crude Protein, min	10.0% (8.4 gms)
Crude Fat, min	10.5% (8.8 gms)
Crude Fiber, min	25.0% (21 gms)
Calcium, min	0.85% (0.71 gms)
Calcium, max	1.00% (0.84 gms)
Phosphorus, min	0.20% (0.17 gms)
Magnesium, min	0.30% (0.25 gms)
Potassium, min	1.50% (1.26 gms)

Aqua-Nox Stock Saver™

Ingredients:

Kelp, Ascorbic Acid, Zinc Amino Acid Chelate, Manganese Amino Acid Chelate, Copper Amino Acid Chelate, Diatomaceous Earth, Cobalt Sulfate

Guaranteed Analysis:

Crude Protein,	4.93%
Crude Fat,	1.00%
Crude Fiber, max	
Zinc, min	5900 ppm
Copper, min	
Manganese, min	
Cobalt, min	25 ppm

Biocel CBT[™]

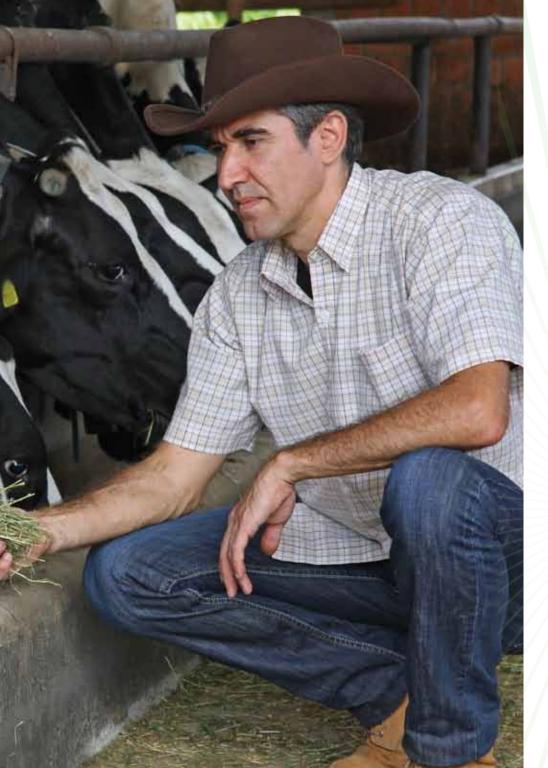
Ingredients:

Colostrum Whey, Methyl paraben, Propyl paraben

Guaranteed Analysis:

Crude Protein, min	4.0%
Crude Fat, min	0.1%
Crude Fiber, max	0.1%





Dyna-Vites[™] Ingredients:

Niacin, Vitamin E Supplement, Choline Chloride, Kelp, Montmorillonite, Dried Aspergillus oryzae Fermentation Extract, Dried Bacillus subtilis Fermentation Extract, Calcium Sulfate, Calcium Phosphate, Dried Lactobacillus acidophilus Fermentation Product, Dried Lactobacillus casei Fermentation Product, Dried Bifidobacterium thermophilum Fermentation Product, Dried Enterococcus faecium Fermentation Product, Dried Saccharomyces cerevisiae Fermentation Product, Magnesium Carbonate, Vitamin A Supplement, Vitamin B₁₂ Supplement, Iron Amino Acid Chelate, Magnesium Sulfate, Potassium Sulfate, Potassium Chloride, Manganese Amino Acid Chelate, Zinc Amino Acid Chelate, Fenugreek, Vitamin D₃ Supplement, Licorice, Ginger, Capsicum, Thiamine Mononitrate, Ferric Choline Citrate, Riboflavin Supplement, Copper Choline Citrate, Pyridoxine Hydrochloride, d-Calcium Pantothenate, Copper Amino Acid Chelate, Cobalt Amino Acid Chelate, Cobalt Choline Citrate, Calcium Iodate

Guaranteed Analysis Per Capsule:

Each capsule contains a minimum of 7 x 107 CFU of Lactic Acid Producing Microorganisms. (Lactobacillus acidophilus, Lactobacillus casei, Bifidobacterium thermophilum, Enterococcus faecium). Each Capsule also contains sources of alpha-Amylase (hydrolyzes starch), beta-Glucanase (hydrolyzes b-glucans, a type of non-starch polysaccharide), Hemicellulase (breaks down hemicellulose) and Protease (hydrolyzes proteins)

Vitamin A, min	750,000 IU
Vitamin D3, min	75,000 IU
Vitamin E, min	750 IU
Vitamin B-12, m	in.*750 mcg
Riboflavin, min.3	*75 mg
d-pantothenic A	cid*75 mg
Thiamine, min.*	150 mg
Niacin, min.*	
Vitamin B-6, mil	n.*75 mg
Choline, min.*	750 mg
Amylase	
Betaglucanase	1,950 Betaglucanase units
Hemicellulase	
Protease	4,500 Proteolytic Casein units

Ecto-Phyte[™]

Ingredients:

Castor Oil, Essential Oils of Orange, Eucalyptus, Citronella, Clove, Eugenol, Lemongrass and Plant Oil Surfactants.

Hemocel Bullets[™]

Ingredients:

Kelp, Montmorillonite, Aspergillus oryzae Fermentation Product, Lactobacillus acidophilus Fermentation Product, Lactobacillus caseii Fermentation Product, Bifidobacterium bifidum Fermentation Product, Iron Amino Acid Chelate, Copper Amino Acid Chelate, Cobalt Sulfate, Polysaccharide Complexes of Zinc, Manganese, Iron, and Copper, Calcium Iodate, Magnesium Carbonate, Magnesium Sulfate, Potassium Sulfate, Flowers of Sulphur, Vitamin A Acetate, Vitamin D₃, Vitamin E, Ascorbic Acid (Vitamin C), Thiamine Mononitrate, Riboflavin, Niacin, Vitamin B₁₂, Choline Chloride, Fenugreek, Fennel, Caraway, Peppermint, Ginger, Capsicum and Garlic.

Guaranteed Analysis Per Capsule:

Vitamin B-12*	1,000 mcg
Riboflavin*	200 mg
Niacin*	1,000 mg
Thiamine*	200 mg
Lactic Acid Producing Micro-organism	2 x 10 ⁹ CFU
Amylase	2,000 B.A.U.
Betaglucanase	1,300 B.U.
Hemicellulase	170 H.U.
Protease	3,000 P.C.U.

*Required Nutrients with no established minimum requirements

Hemocel 100[™]

Ingredients:

Montmorillonite, reed-sedge peat, dried kelp, molasses, dolomitic limestone, dried Aspergillus oryzae fermentation product, zinc amino acid complex, magnesium oxide, potassium sulfate, magnesium sulfate, manganese sulfate, safflower oil, manganese amino acid complex, vitamin E supplement, dried Saccharomyces cerevisiae fermentation product, dried Bacillus subtilis fermentation product, dried Candida rugosa fermentation extract, dried Bacillus amyloliquefaciens fermentation product, sodium silico aluminate, diatomaceous earth, dried Lactobacillus acidophilus fermentation product, iron amino acid complex, iron sulfate, sulfur, zinc sulfate, copper amino acid complex, zinc oxide, copper sulfate, sodium selenite, vitamin A supplement, choline chloride, ginger, caraway seed, cayenne pepper, fennel, potassium iodide, silicon dioxide, vitamin D3 supplement, ethylenediamine dihydroiodide, thiamine mononitrate, pyridoxine HCl, riboflavin, niacinamide, calcium pantothenate, cobalt sulfate, mixed tocopherols, sodium molybdate, vitamin B12 supplement.

Guaranteed Analysis Per lb. (.45 kg):

Calcium, (Min)1.9%
Calcium, (Max)2.4%
Magnesium, (Min)
Iron, (Min)1.3%
Copper, (Min)1,700% ppm
Manganese:1.05%
Zinc, (Min)1.05%
Selenium, (Min)50 ppm
Vitamin A, (Min)800,000 IU/lb
Vitamin D ₃ (Min)320,000 IU/Ib
Vitamin E, (Min)2,400 IU/lb
Alpha-amylase
(Bacillus subtilis)31 BAU units/lb*
Lipase
(Candida rugosa)110 FIP units/lb*
Protease
(Bacillus amyloliquefaciens)1,080 PC units/lb*
*at the time of manufacturing

Ketonic™

Ingredients:

Cane Molasses, Glycerin, Apple Cider Vinegar, Ethyl Alcohol, Niacin Supplement, Potassium Sulfate, Magnesium Sulfate, Ginger, Turmeric, Cayenne Pepper, Ferric Sulfate, Choline Chloride, Copper Sulfate, Thiamine Mononitrate, Zinc Sulfate, Vitamin A Acetate, Iron Amino Acid Chelate, Zinc Amino Acid Chelate, Riboflavin Supplement, Pyridoxine Hydrochloride, Cholecalciferol (Source of Vitamin D₃), Copper Amino Acid Chelate, Cobalt Sulfate, Vitamin B₁₂ Supplement

Guaranteed Analysis Per fl oz (28 ml)

Vitamin A, (min.)	25,000 I.U.
Vitamin D ₃ , (min.)	3,500 I.U.
Niacin, (min.)	450 mg*
Thiamine, (min.)	50 mg*
Vitamin B-12, (min.)	250 mcg*
Vitamin B-2, (Riboflavin), (min.)	30 mg

*Required Nutrients with no established minimum requirements

Neema-Tox[™]

Ingredients:

Natural Extractives of Peppermint, Clove, Yucca schidigera, Grapefruit Seed, Iron Sulfate, Glycerin and Xanthan Gum

Guaranteed Analysis:

Iron (Min)15,000 ppm



Power Fresh[™]

Ingredients:

Calcium Phosphate, Magnesium Carbonate, Magnesium Amino Acid Chelate, Calcium Carbonate, Calcium Sulfate, Magnesium Sulfate, Potassium Sulfate, Sodium Bicarbonate, Potassium Chloride, Dried Kelp, Dried Lactobacillus Acidophilus Fermentation Product, Vitamin D₃ Supplement, Potassium Chloride, Salt

Guaranteed Analysis (Per 1oz. Capsule):

Calcium (Min)	2,700 mg
Calcium (Max)	3,100 mg
Phosphorous (Min)	
Sodium (Min)	650 mg
Sodium (Max)	750 mg
Magnesium (Min)	
Potassium (Min)	
Sulfur (Min)	1,000 mg
Vitamin D ₃ (Min)	233,000 IU



Super Start Calf Bullets[™]

Ingredients:

Dried Kelp, Ascorbic Acid, Vitamin D₃ Supplement, Dried Lactobacillus acidophilus Fermentation Product, Diatomaceous Earth, Dextrose, Montmorillonite, Dried Aspergillus oryzae Fermentation Extract, Dried Bacillus subtilis Fermentation Extract, Psyllium Seed Husk, Iron Amino Acid Chelate, Potassium Bicarbonate, Thyme, Dried Lactobacillus casei Fermentation Product, Dried Bifidobacterium thermophilum Fermentation Product, Dried Enterococcus faecium Fermentation Product, Zinc Amino Acid Chelate, Manganese Amino Acid Chelate, Salt, Dried Whey, Vitamin E Supplement, Magnesium Oxide, Dolomitic Limestone, Copper Choline Citrate, Magnesium Sulfate, Potassium Sulfate, Peppermint Leaf, Vitamin A Acetate, Fennel, Ginger Root, Potassium Chloride, Riboflavin Supplement, Pyridoxine Hydrochloride, Thiamine Mononitrate, Niacin, Choline Chloride, Calcium D-Pantothenate, Vitamin B₁₂ Supplement, Calcium Phosphate, Parsley, Dandelion Leaf, Dandelion Root, Celery Seed, Capsicum, Potassium Iodide, Cobalt Sulfate

Guaranteed Analysis (Per Capsule):

Salt, (Min)	
Salt, (Max)	1.7%
Magnesium, (Min)	8,000 mg
Potassium, (Min)	100 mg
Vitamin A, (Min)	50,000 IU
Vitamin C, (Max)*	400 mg
Iron, (Min)	25 mg*
* Required nutrient with no establish	ned minimum requirement

Ultra Cal Drench[™]

Ingredients:

Calcium Carbonate, Calcium Sulfate, Magnesium Carbonate, Magnesium Sulfate, Salt, Vitamin D₃, Zinc Sulfate, Vitamin B₁₂, Riboflavin, Thiamine mononitrate, Cobalt Sulfate.

Guaranteed Analysis: (per 454 gram/16oz pouch)

Guaranceea / marysist (per	is i grain, i ooz p
Calcium, (Min)	
Calcium, (Max)	20.0%
Salt, (Min)	1.4%
Salt, (Max)	1.7%
Sodium, (Min)	0.6%
Sodium, (Max)	0.7%
Magnesium, (Min)	
Zinč, (Min)	500 ppm
Cobalt, (Min)	2.5 ppm
Thiamin, (B-1), (Min*)	300 ppm
Riboflavin, (B-2), (Min*)	300 ppm
Vitamin B-12, (Min*)	3.0 ppm
* Required nutrient with no established	minimum requirement

High Potency Vitamin C (HPVC)

Ingredients:

Sodium Acsorbate, Purified Water, Methylparaben, Propylparaben, Sodium Bisulfite

Guaranteed Analysis (per ml):

Sodium Ascorbate (Vitamin C).....250mg

Vermi-Tox[™]

Ingredients: Purifed Water, Extracts of Garlic, Thyme, Peppermint, Yucca schidigera Extract, Xanthan Gum, Manganese Amino Acid Chelate, Zinc Amino Acid Chelate

Guaranteed Analysis per fl oz (30 ml):

Manganese 0.148%	.0.148%
Zinc 0.148%	.0.148%











AGRI-DYNAMICS.COM

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