

ANIMAL NUTRITION & HEALTH

Nutri-Min Mineral Blends

Lancaster Ag's Line of Animal Minerals

In 2010 Lancaster Ag worked at significantly redeveloping our line of animal mineral blends. At that time the USDA's National Organic Program (NOP) was reviewing labels for agriculture products and we were proactive by improving our mineral blends and consequently, updating our labels. Our goal was to comply so that our labels will meet NOP's standards and will meet their approval for everything listed. This process has brought on a new high-powered lineup of animal mineral products in Lancaster Ag's Nutri-Min line.

By the summer of 2010 we were ready to replace our custom animal mineral line with a new line called Nutri-Min. Why did we choose the name **Nutri-Min**? This name describes **nutrition** through colloidal **minerals**. Colloidal minerals can be easily absorbed and readily used. We have developed our Nutri-Min products using chelated vitamins and minerals and many colloidal minerals and traces, such as kelp, humate, diatomaceous earth, aragonite, conditioner, probiotics, herbals, botanicals, and similar ingredients that are highly absorbed when passing through an animal's system.

After reformulating our products with these ingredients, we have offered the Nutri-Min line for the past year and a half. We feel that we now have some of the best minerals on the market today. It is true that in the United States we have lost the feeding qualities in many of our animal feeds, causing problems in animal health and eventually in human health. The good news is that our Nutri-Min Mineral Blends can be your solution to this dilemma.

The herbals, botanicals, and probiotics are already blended into our minerals and there is no need to feed them separately. They will help to condition the microbes of the intestinal tract, and as a result, will provide a better manure system for your fields. Lancaster Ag builds a mineral package that has a full circle of mineralization in mind, not just production. The full circle is: cows > manure > soils > crops.

These special formulations provide the needs of healthy, growing, and highly productive animals. They support all their systems for optimum health. A complete listing of Nutri-Min products is included on the following pages. Study the descriptions carefully and then contact one of the Lancaster Ag field representatives at 717-687-9222 to see which minerals fit into your enterprise. You may also call us for a complete listing of ingredients or a copy of our labels.

Nutri-Min Broiler Mineral CFU

- Mineral premix for all classes of broilers
 - Directions: add 3 bags per ton of feed
- Stock#09-1010-050 50 Pounds\$32.15

Nutri-Min Calf Mineral CFU

- A highly available mineral premix for growing cattle
 - Directions: include 2 bags per ton of feed
- Stock#09-1003-050 50 Pounds\$32.68

Nutri-Min Complete Free Choice Mineral CFU

Ingredients: salt, organic dried kelp, montmorillonite clay, reed-sedge peat, fossil shell flour, calcium carbonate, soft rock phosphate, organic sweetener, ascorbic acid, sodium selenite

- Mineral blend formulated to meet the individual needs of dairy animals
 - Directions: offer free choice at all times
- Stock#09-1012-050 50 Pounds\$27.26



Nutri-Min Cow Goat Lick CFU

Ingredients: ground limestone, organic dried kelp, copper sulfate, sulfur

- Not for sheep
- Directions: offer free choice at all times

Stock#09-1013-050 50 Pounds\$25.75

Nutri-Min Dairy Mineral CFU

- A highly available mineral premix for dairy cows
- Directions: feed 12-16 ounces to adult animals daily, depending on animal condition

Stock#09-1030-050 50 Pounds\$31.28

Stock#09-1030-600 1 Ton Tote.....\$1,206.52

Nutri-Min Dairy Mineral 2 CFU

- A highly available mineral premix for dairy cows
- Directions: feed 12-16 ounces to adult animals daily, depending on animal condition

Stock#09-1031-050 50 Pounds\$33.84

Nutri-Min Dry Cow Mineral CFU

- A highly available mineral premix for dry cows
- Directions: feed 12-16 ounces to adult animals daily, depending on animal condition

Stock#09-1032-050 50 Pounds\$32.13

Stock#09-1032-600 1 Ton Tote.....\$1,259.20



Nutri-Min Enhance CFU

- A highly available mineral premix for stressed cows of all classes
- Helps with the stressors of breeding and lactation
- Use in times of compromised immune system
- For times when digestion might be in need of support
- Directions: Feed at a rate of 2 ounces per head

Stock#09-1043-010 10 Pounds\$43.68

Stock#09-1043-025 25 Pounds\$101.92

Nutri-Min Free Choice Horse Mineral

Ingredients: calcium carbonate, salt, organic dried kelp, montmorillonite clay, soft rock phosphate, fossil shell flour, sulfur, yeast culture, molasses, wood ashes

- Formulated to provide nutrients that are readily available and meet the needs of the horse
- Directions: offer free choice at all times

Stock#09-1016-050 50 Pounds\$24.14

Nutri-Min Heifer Mineral CFU

- A highly available mineral premix for growing cattle
- Directions: feed 7-8 ounces daily to growing dairy cattle, depending on animal condition

Stock#09-1033-050 50 Pounds\$30.84

Nutri-Min Horse Conditioner

Ingredients: salt, wood ashes, sulfur, dextrose, walnut hulls

- Formulated to relieve the stress in horses from certain internal conditions
- Directions: feed 2 ounces in the morning feed for 2 weeks, then skip 2 weeks. Continue this pattern for a total of 10 weeks

Stock#09-1029-050 50 Pounds\$25.48

Nutri-Min Kelp Aloe Plus CFU

Ingredients: organic wheat midds, organic dried kelp, reed-sedge peat, organic sweetener, aloe vera

- Formulated to give maximum nutritional support to stressed animals
- Convenient pellets for easy handling and feeding
- Maintenance level- feed 1/4 ounce per 100 pounds of body weight
- Stressed animals – 2/3 ounce per 100 pounds of body weight per day
- Do not exceed 10 ounces per head per day

Stock#09-1019-712 7.5 Pounds\$22.87

Stock#09-1019-050 50 Pounds\$79.99

Nutri-Min Aloe Supreme CFU **NEW!**

- Ingredients: organic wheat midds, organic dried kelp, reed-sedge peat, organic sweetener, aloe vera, garlic, Pau d'Arco
- Can lubricate joints and help heal skin and cutaneous tissue
 - Formulated to cancel the effects of stress and infections
 - Compliments many different herbals
 - Contains the rediscovered herb Pau d'Arco which is anti-viral and antibacterial and is an antioxidant
 - Convenient pellets / 8 ounce cup = 5 ounces of pellets
 - Maintenance level – feed 1 ounce per 100 pounds of body weight per day
 - Stressed animals – feed 2 ounces per 100 pounds of body weight per day
 - Do not exceed 10 ounces per head per day
- Stock#09-1015-022 22-Pound Bucket\$59.99

Nutri-Min Kelp Salt Blend CFU

- Ingredients: organic dried kelp, salt
- Formulated for use with all types of dairy animals
 - Allows livestock to satisfy their individual needs for salt
 - Directions: offer free choice at all times
- Stock#09-1021-050 50 Pounds\$32.89

Nutri-Min K-S-DE Blend CFU

- Ingredients: organic dried kelp, salt, diatomaceous earth
- Formulated for use with all types of dairy animals
 - Allows livestock to satisfy their individual needs for salt
 - Can aid in larva control
- Stock#09-1022-050 50 Pounds\$35.31

Nutri-Min Layer Mineral CFU

- A mineral premix for all classes of layers
 - Directions: add 2 bags per ton of feed
- Stock#09-1017-050 50 Pounds\$40.63

Nutri-Min Pull Power Plus

- Very palatable free choice premix for all classes of equine
 - Formulated to provide optimum nutrition for the active horse
 - Directions: offer free choice at all times
- Stock#09-1024-050 50 Pounds\$48.06

Heritage Feeds **NEW INFO!**

Going Back to the Future with Heritage Feeds

In Lancaster County we have a rich heritage in the way our forefathers worked the land and fed their livestock. They excelled in farming and their livestock thrived. This was accomplished without the use of GMO grains, antibiotics, hormones, and fillers.

Our family stories tell us that our grandparents and great-grandparents took their wholesome produce, meats, butter, eggs, and cheese from their Bird-in-Hand farms to the farmers markets in Lancaster City. Our family and other local farmers supplied the urban areas of Lancaster, Coatesville, West Chester, and Allentown with fresh, nutritious foods.

That day is here again. The residents of our cities are demanding natural, whole, fresh foods that are untouched by GMO grains or pesticides. Using the farming concepts of the past, we at Lancaster Ag offer both complete certified organic feed and non-GMO feed in our Heritage Feeds line. Heritage Feeds are the perfect choice for farmers and growers looking for feeds with wholesome and nutritious ingredients. We offer the best because we firmly believe that good nutrition results in good animal health.

Heritage Feeds

- Our organic feeds are PA Certified Organic
- Our grains exceed USDA minimum test weights
- Our feeds contain minerals from our own Nutri-Min line
- Our feed formulas always remain standard
- We custom mix according to specifications

The Objectives of the Heritage Feeds Program

Since the late 1990's GMO's (genetically modified organisms) in everything have been on the forefront of agriculture. There is a growing demand from consumers in our urban areas for good, healthy, nutritious meats. After much research across the whole country, countless hours, and personal funding, it has been found that GMO crops do not have the nutrition that crops had before genetic modification took place. To add to that fact, Roundup itself removes many minerals from our food chain. These are the reasons that the GMO-free market is here.



In 2004 Lancaster Ag invested a significant amount of money to construct a feed mill to keep non-GMO grains separate from conventional grains. At that time, no feed mill could be found that made feed in this way. Out of necessity, we built our own so that we could manufacture a line of feeds without using GMO grains. In 2010 we named this line "Heritage Feeds."

Since 2004 there has been a growing interest from consumers in meats and eggs produced without the influence of GMO crops. We coupled the values of GMO-free grains with good nutrition, using probiotics, botanicals, and herbal products. For example, our feeds give poultry a good immune system with which to fight off disease and illness. Heritage Feeds produce the best quality meat the consumer can buy.

Test Weights of Our Grains

The grains that we use in our feed meet the USDA minimum test weight. However, over the years we have found that the USDA standard is not a good enough measure. We go beyond their recommended test weights to enhance the quality and longevity of life. For example, the USDA minimum test weight for oats is 32 pounds and for corn 56 pounds. We strive to go well above these minimum standards in the grains we use in our Heritage Feeds.

Unfortunately mainstream feeds do not base their qualities on these standards. Rather they focus on buying their grains in the cheapest form available. Lightweight grain has little or no minerals: the lighter the grain, the less concentration of minerals there will be.

With our Heritage Feeds line we take Dr. Arden Andersen's quote literally: "Nutrition will bring genetic expression." The fact is that the heavier the grains, the more nutrient dense the foods will be that are produced by the livestock.

The Standard Formulas of Heritage Feeds

We do not change our Heritage Feeds formulas or concentration of minerals when the prices in the market fluctuate. We feel it is more important to have adequate nutrition than producing feeds based on price. We also believe in the old adage, "You are what you eat." Therefore, if you want high-quality meat, you need to feed your livestock grains with high quality and adequate nutrition regardless of the price.

Feeding high-quality minerals and feeds is expensive. On the other hand, hospital stays and chemotherapy treatment are also very expensive.



The Most Common Ingredients in Heritage Feeds

Here at Lancaster Ag we have our own top-quality nutritional line called Nutri-Min that we manufacture in-house. These minerals were formulated with input from well-known experts, such as Jim Helfter, Dr. Dan Skow, Dr. Paul Dettloff, Dr. Richard Holliday, and Dr. Arden Andersen. By listening to these men, we came to realize that diversity is the key.

As you look over our labels, you will notice that many ingredients in our various feeds are similar, but with varying amounts. We have herbals, botanicals, probiotics, amino acids, nitrates, proteinates, and sulfate traces, as well as the major elements such as calcium, phosphorus, and sodium. All of these individual ingredients play an important role in the health of the animal and eventually in the health of the consumer. You may call us for a complete listing of ingredients or a copy of our labels.

Heritage Broiler Mash

- For all classes of broiler
- Formulated for chickens being raised for meat production
- Promotes improved digestion and growth
- Directions: feed free choice

Stock#03-1010-050 50 Pounds\$17.75
 Stock#03-1010-600 1 Ton Tote.....\$664.00

Heritage Organic Calf Grower 16% CFU

- A complete feed for grower calves
- Directions: feed 4-8 pounds of these pellets with high-quality hay

Stock#03-1200-050 50 Pounds\$26.92

Heritage Calf Starter



- A complete feed for starter calves
- Directions: feed amount that calf will eat up to 5 pounds or till calf is 6 months old

Stock#03-1009-050 50 Pounds\$19.50

Heritage Organic Calf Starter 18% CFU

- A complete feed for starter calves
- Meets the nutritional needs of small calves
- Compliments a good forage base
- Directions: feed 4-8 pounds of these pellets with high-quality hay

Stock#03-1100-050 50 Pounds\$27.30

Heritage Chick Feed



- For all classes of starting chicks
 - Same nutrition that chicks consume in the last six days
 - in the yolk
 - High in protein, amino-acids, and energy and low in fiber
 - Directions: feed free choice from hatch to 2 weeks of age
- Stock#03-1030-050 50 Pounds\$19.53

Heritage Daisy's Delight

- A complete feed for lactating dairy cows
 - Directions: feed 5 pounds per head per day during lactation
- Stock#03-1018-050 50 Pounds\$20.48

Heritage Organic Goat Feed CFU

- A complete feed for goats
 - Directions: feed 3-5 pounds per day
- Stock#03-1400-050 50 Pounds\$24.46

Heritage Horse Feed



- For maintenance of mature horses
 - Directions: feed 5 pounds or as needed for endurance
- Stock#03-1017-050 50 Pounds\$13.87

Heritage Layer Mash

- For all classes of layers
 - Formulated to meet the needs of egg-laying chickens
 - Promotes improved digestion and health
 - Can aid the production of nutritious eggs
 - This diet can be supplemented by fresh-grown forage
 - Directions: feed free choice
- Stock#03-1011-050 50 Pounds\$18.25
 Stock#03-1011-600 1 Ton Tote.....\$684.00

Heritage Organic Layer Ration CFU

- A complete and balanced ration for laying chickens
 - Directions: feed throughout entire time of egg production
- Stock#03-1300-050 50 Pounds\$22.30

Heritage Pork Power

- A complete feed for all classes of swine
 - General purpose feed that can be used from feeder pig up to market weight
 - Works well with pasture-based production
 - Directions: offer free choice as a supplement to pasture or other roughage
- Stock#03-1019-050 50 Pounds\$13.00
 Stock#03-1019-600 1 Ton Tote\$495.00

Heritage Poultry Finisher



- For finishing poultry
 - Directions for turkeys: Feed as the sole ration for 5 weeks prior to slaughter
 - Directions for broilers: Feed as the sole ration for up to 1 1/2 weeks prior to slaughter
- Stock#03-1550-050 50 Pounds\$15.60

Heritage Organic Turkey Grower CFU

- A complete feed for turkeys 8-12 weeks of age
 - Directions: feed as sole ration for turkeys 8-12 weeks of age
- Stock#03-1500-050 50 Pounds\$24.72



Animal Nutrition & Health

Lancaster Ag Animal Nutrition & Health Products

Aloe C

Ingredients: whole-leaf organic aloe vera, ascorbic acid, rose hips

- Fine nutritional qualities and antioxidant properties
- Can aid digestive issues
- Soothing for wounds



Stock#01-3163-001 1 Gallon\$24.95

Biocel-CBT CFU

Ingredients: ultra-filtered whey, potassium sorbate

- Ultra-filtered whey for ruminants
- A supplement for ruminants when the nutrients associated with colostrum may be required
- May orchestrate the immune cascade in animals

Stock#01-3167-265 265 ml.....\$32.54

CGS Remedy CFU

Ingredients: elcampe root, walnut leaf, black walnut hulls, mugwort

- Use in cattle, goats, and sheep
- Blend of materials is formulated to relieve the stress of certain internal conditions

Stock#01-3111-001 0.6 Pound.....\$35.00

Stock#01-3111-005 1.75 Pounds.....\$74.50

CMPK Oral

Ingredients: calcium chloride, water, calcium phosphate, magnesium oxide, potassium chloride, molasses

- A dietary supplement source of calcium, phosphorus, magnesium, and potassium in cattle

Stock#01-3117-001 1 Gallon\$48.00

Graze Guard CFU

Ingredients: powdered cellulose, diatomaceous earth, sodium bentonite, organic pumpkin seeds, organic dried tomato pomace, lactobacillus acidophilus fermentation product, calcium, lignin, organic soy oil, organic sources of cayenne pepper, peppermint, garlic, parsley, dandelion root extract, elder flowers, dandelion extract, German chamomile, lemon grass extract, thyme, sweet fennel extract, sweet basil, sage, cloves

- A mineral supplement fortified with botanical ingredients for ruminant animals
- Helps with nutritional challenges associated with grazing

Stock#01-3128-712 7.5 Pounds.....\$23.75

Happy Cow CFU

Ingredients: Whole-leaf organic aloe vera, sea salt, bentonite clay, ascorbic acid, dandelion, plantain, rose hips, organic apple cider vinegar, soft rock phosphate with colloidal minerals, calcium carbonate, vitamin B12

- Can be an aid for ketosis and weak cows
- Helps with overall energy

Stock#01-3177-001 1 Gallon\$38.05



Hedgerow Aloe CFU

Ingredients: whole-leaf aloe vera, ascorbic acid, rose hips, 55 botanicals tinctured in organic grain alcohol

- Provides added nutritional support
- Promotes healing and well-being
- Can aid digestive issues
- Soothing for wounds

Stock#01-3164-001 1 Gallon\$32.95



High Energy Blend Biological

Ingredients: molasses, apple cider vinegar, seaweed, yucca, kelp, humic acid, sodium bicarbonate, vitamin C, vitamin E, vitamin B12, vitamin B complex, garlic, sodium selenite, aloe vera

- A nutritive liquid with available energy
- Highly concentrated form of energy from sugar
- Dietary supplement and digestive aid
- Boosts the immune system in times of stress

Stock#08-1024-001 1 Gallon \$5.18

Stock#08-1024-212 2.5 Gallons\$13.30

Stock#08-1024-015 15 Gallons\$75.00

Stock#08-1024-600 Bulk per Gallon.....\$3.88

Animal Nutrition & Health



High Energy Blend Green - CFU



Ingredients: molasses, apple cider vinegar, seaweed, yucca, organic dried kelp, humic acid, sodium bicarbonate, vitamin C, vitamin E, vitamin B12, vitamin B complex, garlic, sodium selenite, aloe vera

- Formulated for adult dairy cows to aid digestion
- Boosts the immune system in times of stress
- Directions: Feed 6 to 8 ounces per head per day

Stock#08-1025-001	1 Gallon	\$7.82
Stock#08-1025-212	2.5 Gallons	\$22.12
Stock#08-1025-015	15 Gallons	\$114.70
Stock#08-1025-600	Bulk per Gallon.....	\$6.39

Ketonic CFU

Ingredients: inverted sugars, volatile fatty acids (VFA's), lactobacillus fermentation solubles, fat and water soluble vitamins, grain alcohol, herbal extracts, amino acids

- An energy supplement
- Can be used with fresh cows, sheep, and goats and stressed lambs, calves, and kids
- An exceptional formula to use when nutrients associated with ketosis, poor appetite, lethargy, dysentery and diarrhea/scours may be required

Stock#01-3133-001	1 Gallon	\$45.14
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MaxiBird CFU

Ingredients: natural minerals, sea minerals

- A mineral supplement formulated to boost the body energy of poultry
- Disease prevention
- A liquid that is added to drinking water

Stock#01-3100-032	1 Quart	\$9.99
Stock#01-3100-001	1 Gallon	\$35.50
Stock#01-3100-212	2.5 Gallons	\$74.50

Neema-Tox CFU

Ingredients: water extracts of sage, horehound, cusparia bark, vegetable glycerin, grapefruit seed extract, yucca schidigera extract, extracts of peppermint, clove, angelica, cassia, xanthan gum

- A nutritional drench for compromised gut ecology
- Addresses the gastro-intestinal challenges in livestock such as parasites, scours, and dysentery

Stock#01-3187-032	1 Quart	\$30.78
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Nutri-Min Whey

Ingredients: liquid whey

- All natural liquid bovine colostrum whey
- Improves overall herd health
- Can give added protection to the immune system
- Use orally along with mother's colostrum

Stock#01-3127-250	250 ml	\$25.00
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Super Start Calf Bullets CFU

Ingredients: herbs, charcoal, probiotics (viable and non-viable fermentation products), electrolytes, vitamins (water and fat soluble), chelated (organic) minerals

- A supplement for dairy calves with herbs, enzymes, vitamins, and probiotics
- Premier product for newborn calves and those under stress

Stock#01-3108-050	50 Capsules	\$42.75
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Ultra Cal Drench CFU

Ingredients: calcium carbonate, calcium sulfate, magnesium carbonate, magnesium sulfate, salt, Vitamin D3, zinc sulfate, vitamin B12, riboflavin, thiamine mononitrate, cobalt sulfate

- A supplement for lactating dairy cattle
- A soluble powdered concentrate to add to liquids

Stock#01-3105-400	400 Grams.....	\$10.25
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Vermi-Tox CFU

Ingredients: purified water; tincture of garlic; oils of garlic, thyme, and peppermint; yucca schidigera extract, xanthan gum, manganese proteinate, zinc proteinate

- A nutritional drench for ruminants
- Addresses the gastro-intestinal challenges in livestock such as parasites, scours, and dysentery

Stock#01-3093-032	1 Quart	\$46.80
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Dr. Paul's Tinctures

World's Best Tinctures

Dr. Paul Dettloff from Arcadia, Wisconsin is on staff at Lancaster Ag as a consultant and veterinarian. He shares his wisdom gleaned from more than 40 years of working with farmers and their livestock. His line of tinctures is among the best in the world because he strives to maintain high standards.

Dr. Paul's Tinctures are made from certified organic and/or wild-crafted botanicals and all contain organic grain alcohol. Dr. Paul harvests some of his herbs from his own farm and is in control of the whole process. These are truly some of the finest tinctures available.

The following is a listing of high-quality tinctures from Dr. Paul's Lab in Wisconsin. Ingredients are listed with the product name. All tinctures are organic.

Activity	4oz			
<i>celery, licorice, burdock, alfalfa, yarrow</i>				
Antioxidant Blend	4oz			
<i>rose hips, red clover, echinacea, chaparral, golden seal, cayenne, apple cider vinegar</i>				
Arnica	2oz	8oz		
<i>tincture of certified organic and/or wild crafted arnica, apple cider vinegar</i>				
BeeT-OH	2oz			
<i>organic apple cider, vinegar, beet root, OSHA root</i>				
Burdock Root	2oz	8oz		
<i>burdock, apple cider vinegar</i>				
Calendula	2oz	8oz		
<i>calendula, apple cider vinegar</i>				
CAL-THU	4oz			
<i>calendula, thujo</i>				
Caulophyllum	2oz	4oz	8oz	32oz
<i>caulophyllum, apple cider vinegar</i>				
Cayenne			8oz	
<i>cayenne, apple cider vinegar</i>				
CEG	2oz	8oz	32oz	
<i>cayenne, echinacea, garlic, apple cider vinegar</i>				
Comfrey	2oz	8oz		
<i>comfrey, apple cider vinegar</i>				
Dull It		8oz		
<i>apple cider vinegar, white willow bark, St. Johns wort, chamomile, arnica, fennel</i>				



Prices for Dr. Paul's Tinctures

2 ounces.....	\$16.95
4 ounces.....	\$26.95
8 ounces.....	\$39.95
32 ounces.....	\$139.00

Easy Life	4oz			
<i>St. John's wort, chamomile, catnip, lavender, ginko, apple cider vinegar</i>				
Echinacea Root	2oz	8oz		
<i>echinacea root, apple cider vinegar</i>				
Eucalyptus		8oz		
<i>eucalyptus, apple cider vinegar</i>				
Fab 55	2oz			
<i>combination of 55 different organic tinctures</i>				
FEV-4		8oz	32oz	
<i>bergamont, elder berry, feverfew, shiitake, apple cider vinegar</i>				
First Step	4oz	8oz	32oz	
<i>caulophyllum, garlic, golden seal, calendula, symphytum, apple cider vinegar</i>				
FLC	2oz			
<i>tincture of fennel, chamomile, lavender</i>				
Garlic Bulb	2oz	8oz	32oz	
<i>garlic cloves, apple cider vinegar</i>				
LT Solution	2oz	4oz		
<i>lobelia, slippery elm, fenugreek</i>				
My-Bone	2oz			
<i>apple cider vinegar, meadow sweet, yarrow, symphytum, calendula</i>				
Nature's Cycle H	4oz	8oz		
<i>blue cohosh, wild yam root, viburnum (black haw), red clover, saw palmetto, dong quai, apple cider vinegar, cloves</i>				
OLS		8oz	32oz	
<i>oregano, lobelia, slippery elm, apple cider vinegar</i>				



Oregano	8oz
<i>oregano, apple cider vinegar</i>	
Quad-Support	8oz
<i>garlic, eucalyptus, echinacea, golden seal</i>	
Sheep & Goat Formula	8oz
<i>tincture of rose hips, burdock root, nettle, red clover, Echinacea</i>	
St. John's Wort	2oz 8oz
<i>St. John's wort, apple cider vinegar</i>	
System Support	4oz
<i>apple cider vinegar, golden seal, juniper, watercress, plantain, dandelion, astragalus</i>	
Thujo Occ.	4oz
<i>arbor vitae, apple cider vinegar</i>	
Tonic	4oz
<i>apple cider vinegar, burdock root, barberry, echinacea, dandelion, celery seed, shiitake</i>	
Will-John	8oz
<i>white willow bark, St. John's wort</i>	

Feed Ration Additives

Lancaster Ag offers a variety of hand additives to add to feed rations if needed.

Apple Cider Vinegar (50 Grain)

Stock#08-1004-001	1 Gallon \$6.50
Stock#08-1004-212	2.5 Gallons\$15.75
Stock#08-1004-015	15 Gallons\$87.51
Stock#08-1004-055	55 Gallons\$320.91
Stock#08-1004-600	Bulk per Gallon.....\$4.30

(Organic) Apple Cider Vinegar CFU

Stock#08-1002-001	1 Gallon \$10.30
Stock#08-1002-212	2.5 Gallons\$22.00
Stock#08-1002-015	15 Gallons\$127.50
Stock#08-1002-055	55 Gallons\$429.30
Stock#08-1002-400	Bulk per Gallon.....\$6.30

Aragonite CFU

Stock#05-1000-050	50 Pounds\$13.16
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Ascorbic Acid (Vitamin C) CFU

Stock#09-2002-001	1 Pound\$18.00
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Calcium Chips CFU

Stock#09-2005-050	50 Pounds\$5.41
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Calcium Sulfate (Gypsum) CFU

Stock#04-1039-050	50 Pounds\$9.52
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Calf Milk Replacer 20-20

Stock#01-3109-050	50 Pounds\$71.95
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Copper Sulfate 25% (Feed Grade) CFU

Stock#09-2737-050	50 Pounds\$95.80
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Dextrose

Stock#09-2006-050	50 Pounds\$28.38
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Diamond V XP Yeast Green CFU

Stock#09-2008-050	50 Pounds\$48.50
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Diamond V XP Yeast

Stock#09-2007-050	50 Pounds\$31.54
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Diatomaceous Earth (DE) CFU

Stock#09-2738-050	50 Pounds\$20.95
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Dyna-Min CFU

Stock#09-2009-050	50 Pounds\$15.99
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Iron Sulfate (Feed Grade) CFU

Stock#-09-2012-050	50 Pounds\$21.29
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Kelp (Thorvin) CFU

Stock#09-2013-050	50 Pounds\$44.50
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Limestone Dolomite CFU

Stock#04-1003-050	50 Pounds\$6.61
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Limestone Hi-Cal Pulverized CFU

Stock#04-1005-050	50 Pounds\$6.25
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Magnesium Sulfate (Epsom Salt) CFU

Stock#09-2015-050	50 Pounds\$23.50
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Mag Ox 54% CFU

Stock#09-3005-050	50 Pounds\$20.70
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Manganese Sulfate CFU

Stock#09-2016-050	50 Pounds\$40.00
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Molasses (Dry)

Stock#09-2733-050	50 Pounds\$16.35
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Molasses (Liquid) CFU

Stock#08-1006-001	1 Gallon\$8.98
Stock#08-1006-212	2.5 Gallons\$21.90
Stock#08-1006-015	15 Gallons\$116.40
Stock#09-1006-600	Bulk per Gallon.....\$5.76

MSM

Stock#01-3185-001	1 Pound\$24.99
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MSM-C (Vitamin C)

Stock#01-3186-001	1 Pound\$34.50
Stock#01-3186-002	2 Pounds\$69.00

Oyster Shell CFU

Stock#09-2019-050	50 Pounds\$10.42
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Redmond Barn Rock Salt CFU

Stock#09-2020-044 44 Pound Block.....\$11.01

Redmond Conditioner CFU

Stock#09-2021-050 50 Pounds\$13.98

Stock#09-2021-600 1 Ton Tote.....\$475.00

Redmond Salt #10 Fine CFU

Stock#09-2022-050 50 Pounds\$11.55

Stock#09-2022-600 1 Ton Tote.....\$349.86

Salt White CFU

Stock#09-2026-050 50 Pounds\$5.17

Selenium .06% CFU

Stock#09-1028-050 50 Pounds\$11.68

Sodium Bentonite CFU

Stock#09-2029-050 50 Pounds\$17.56

Sodium Bicarbonate CFU

Stock#09-2030-050 50 Pounds\$13.62

Soft Rock Phosphate CFU

Stock#04-1051-050 50 Pounds\$10.61

Stock#04-1051-400 1 Ton \$360.00

Sulfur (Feed Grade) Flour CFU

Stock#09-2735-050 50 Pounds\$28.50

Sulfur (Feed Grade) Granular CFU

Stock#04-1057-050 50 Pounds\$29.75

Vitamin/Selenium

Stock#09-2734-050 50 Pounds\$42.50

Zinc Sulfate CFU

Stock#09-2035-050 50 Pounds\$48.93



Helfter Feeds, Inc.

Tomorrow's technology today

Helfter Feeds, Inc. has been dedicated for 45 years to using nutritional technology to improve the quality of life for animals for the production of drug-free and hormone-free meat and milk. Their mission is to achieve maximum animal health with natural organic nutrients through Applied Common Sense, Technology, and Services.

Free Choice IDM Mineral Program

Formulated for all classes of dairy and beef livestock. Please note that several of the minerals are also available for equine.

A-Mix CFU

- Designed to provide vitamins A, D and E, plus buffering agents with kelp
- Directions: offer free choice separate from other parts of the ration

Stock#09-2364-025 dairy 25 Pounds.....\$27.26

Stock#01-2364-025 equine 25 Pounds.....\$25.95

Buffer Plus CFU

- Provides a blend of buffer agents
- Directions: offer free choice separate from other parts of the ration

Stock#09-2234-025 dairy 25 Pounds.....\$21.43

BVC Mix CFU

- Formulated as a digestive aid
- Directions: offer free choice separate from other parts of the ration

Stock#09-2732-025 dairy 25 Pounds.....\$25.52

Stock#01-2732-025 equine 25 Pounds.....\$23.56

C-Mix CFU

- Designed to provide calcium
- Directions: offer free choice separate from other parts of the ration

Stock#09-2365-025 dairy 25 Pounds.....\$18.50

Stock#01-2365-025 equine 25 Pounds.....\$17.18

Cu-Mix CFU

- Designed to provide copper
- Directions: offer free choice separate from other parts of the ration

Stock#09-2700-025 dairy 25 Pounds.....\$20.11

Stock#01-2700-025 equine 25 Pounds.....\$27.77

Dairy Mineral Plus 1:1 CFU

- Provides a 1:1 ratio of calcium and phosphate
 - Directions: add mix 2 ounces per head per day
- Stock#09-2589-050 dairy 50 Pounds.....\$52.99

Dairy Mineral Plus 2:1 CFU

- Provides a 2:1 ratio of calcium and phosphate
 - Directions: Add mix 2 ounces per head per day
- Stock#09-2741-050 dairy 50 Pounds.....\$57.58

D.U.A. CFU

(Digestive Utilization Absorption)

Formulated as a digestive aid

- Directions: varied for dairy cows, beef cattle, swine, poultry, and silage
- Stock#-9-2101-050 dairy 50 Pounds
in Powder Form.....\$158.50
- Stock#09-2794-050 dairy 50 Pounds
in Pellet Form.....\$99.10

Hi Phos Mineral Plus CFU

- Provides a high ratio of phosphorus to calcium
 - Directions: add 2 ounces per head per day
- Stock#09-3870-050 dairy 50 Pounds.....\$78.24

I-Mix 2% CFU

- A blend of salt and iodine
 - Directions: add 1¼ pounds per 100 pounds of feeding salt and free choice for a consumption rate not to exceed 1 ounce per head per day – provides iodine at the rate of 10 mg per head per day
 - Note: White salt should be available at all times
- Stock#09-2231-025 dairy 25 Pounds.....\$37.97

K-Mix CFU

- Designed to provide potassium with sodium bicarbonate
 - Directions: offer free choice separate from other parts of the ration
- Stock#09-2366-025 dairy 25 Pounds.....\$23.21

M-Mix CFU

- Designed to provide magnesium
 - Directions: offer free choice separate from other parts of the ration
- Stock#09-2367-025 dairy 25 Pounds.....\$23.27
- Stock#01-2367-025 equine 25 Pounds.....\$21.95

P-Mix CFU

- Provides a high phosphorus to calcium ratio with sodium bicarbonate
 - Directions: offer free choice separate from other parts of the ration
- Stock#09-2368-025 dairy 25 Pounds.....\$39.56

S-Mix CFU

- Designed to provide sulfur, controlling intake by salt
 - Directions: offer free choice separate from other parts of the ration
- Stock#09-2369-025 dairy 25 Pounds.....\$23.00

SE Top Choice Mix CFU

- Designed to provide selenium with buffers, bacteria, and kelp, controlling intake by salt
 - Directions: top dress – not to exceed 1 ounce per head per day due to limitation governing selenium
 - Beef cattle not to exceed 3 mg per head per day
- Stock#09-2599-025 dairy 25 Pounds.....\$19.58
- Stock#01-2599-T35 equine 3.5 Pound Bucket ..\$17.05
- Stock#01-2599-025 equine 25 Pounds.....\$17.07

TS-K Mix CFU

- Provides copper, selenium, zinc, and iodine with kelp
 - Directions: recommended consumption rate not to exceed 5 ounces per head per day due to governing limitations on iodine and selenium in cattle
- Stock#09-2707-025 dairy 25 Pounds\$23.37

Zn-Mix CFU

- Ingredients: salt, zinc sulfate, organic soy oil
- Provides zinc, controlling intake by salt
 - Directions: offer free choice separate from other parts of the ration
- Stock#09-2410-025 dairy 25 Pounds.....\$19.40
- Stock#01-2410-025 equine 25 Pounds.....\$16.29



Helfter Equine

A.B.C.'s Plus CFU

- A supplement for the digestive system
- A nutrient pack for digestive microflora only
- Directions: offer free choice to fulfill individual nutritional needs

Stock#01-2762-025	25 Pound Bag	\$85.36
Stock#01-2762-T25	25 Pound Bucket.....	\$89.50
Stock#01-2762-050	50 Pound Bag	\$162.45

A.B.C.'s Fortified CFU

- Same as A.B.C.'s Plus, but with vitamins and minerals added
- Use in circumstances when it is difficult to support individual horses with free choice supplement
- Directions: feed 4 ounces or 2 scoops per day

Stock#01-2879-025	25 Pound Bag	\$101.60
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HOOF CFU

- Can aid in hoof growth resulting in a strong, flexible, fast-growing hoof
- Assures proper digestion, utilization, and absorption of feed
- Directions: 2 scoops per day in 2 feedings if possible

Stock#01-2904-013	13 Pound Bucket.....	\$96.20
Stock#01-2904-025	25 Pound Bag	\$140.56

Jeremy's Joint Jolt CFU

- Support the joint capsules, ligaments, and tendons
- Assists in the body's own healing process
- Can be used for bruises and inflamed or swollen joints due to stress or sprains, fractures, after surgery, laminitis, uveitis, and other injuries and wounds
- Initial application: 2 scoops per day for 7 days in 2 feedings if possible
- Maintenance application: 1 scoop per day in 2 feedings if possible

Stock#01-2808-002	2 Pound Bucket.....	\$61.70
Stock#01-2808-008	8 Pound Bucket.....	\$220.48

PRO BI CFU

- A biological feed additive designed to maximize digestive efficiency
- Helps when a horse's beneficial intestinal bacteria has been destroyed or depleted during times of stress
- Directions: 5 ml twice daily, orally or with feed

Stock#01-2815-016	16 Ounces	\$41.06
Stock#01-2815-001	1 Gallon	\$256.19

Rush Creek 1:1 Mineral CFU

- A fortified and properly balanced calcium and phosphorus source
- Helps maintain mineral balance
- Will help balance any hay source
- Important to use if feeding alfalfa hay
- Directions: offer free choice separate from other parts of the ration

Stock#01-2740-225	2.25 Pound Buckets.....	\$20.74
Stock#01-2740-612	6.5 Pound Bucket.....	\$32.82
Stock#01-2740-025	25 Pound Bag	\$73.70
Stock#01-2740-050	50 Pound Bag	\$139.62

Animal Nutrition & Health



Animals Thrive on Thorvin™

World's Finest Nutrients
 Certified Organic Kelps



Thorvin and Iodine

Healthy animals require a balanced diet, including many vitamins and minerals not found in today's forages or feeds. Iodine, deficient in many soils, grasses, forage crops, and feeds, is essential for healthy thyroid function.

Iodine is historically recognized as one of the most important nutrients for animal health. No element is more critical for metabolism. Iodine deficiency disorders are one of the most prevalent animal disease conditions in the world. Iodine deficiencies in animals can cause general weakness, irregular estrus periods, abortion and still births, decreased male fertility, blindness, poor coat and wool production, and goiter.

Ocean seawater contains substantial levels of Iodine, a rare element on the Earth's crust. Thorvin's kelps collect Iodine from the sea waters they grow in. They store the iodine along with other vitamins, minerals, and amino acids in a form that animals can readily absorb.

Thorvin Kelp for Animals –
 Certified Organic and OMRI Listed



Our flagship feed ingredient delivers nature's perfect array of the World's Finest Nutrients. Thorvin is America's leading organic supplement and has been delivering lower vet bills for 25+ years. Thorvin kelp can be fed free choice, mixed with salt or incorporated in your feed ration.

Thorvin 1000 – High I Kelp Blend
 Certified Organic



Revolutionary new formulation blends the world's finest certified organic nutrient sources to deliver a minimum of 1,000 ppm, guaranteed, Iodine product. Thorvin 1000 is specifically designed as an ingredient in formulated feeds. Because it contains 2x the Iodine of other kelp products, it provides more Iodine at a lower cost, which means you need less when mixing your formula.

Thorvin Kelp available from
LANCASTER AGRICULTURE PRODUCTS

For more information:
 Phone: 1-800-464-0417 © Fax: 540-864-5161
 info@thorvin.com © www.thorvin.com

Suggested Feeding Rates Per Day

Mix in feed at 2% of dry ration
 or feed free choice.

- Dairy and Beef Cattle 2 – 4 oz.
- Heifers and Calves 1 – 2 oz.
- Horses, Sheep, Goats ½ oz.
- Poultry 1- 2% of feed ration
- Hogs 5-lb./ton for two weeks;
 increase by 5-lb. each wk. to
 reach 25-lb./ton