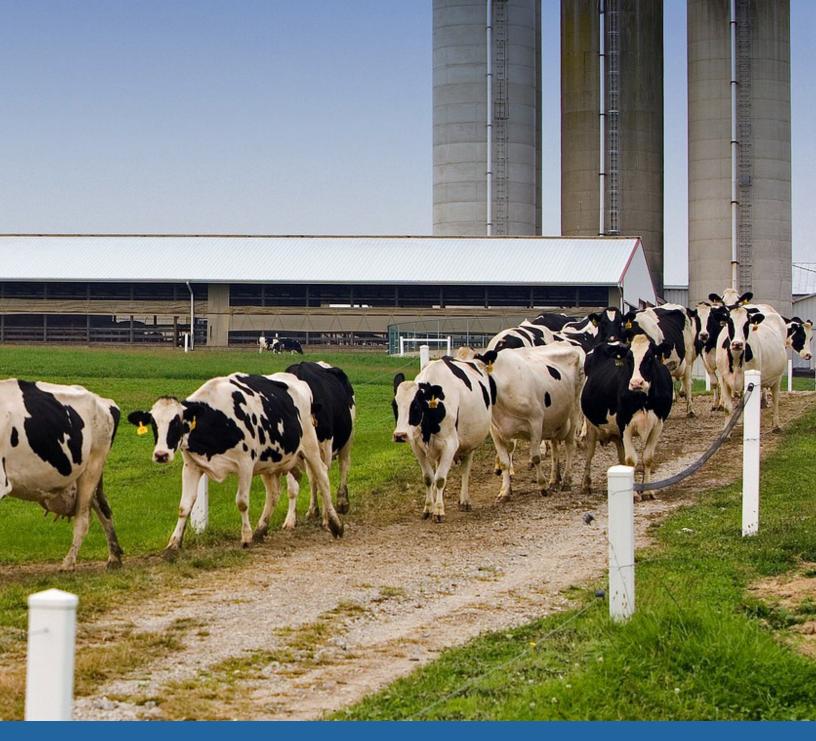


Dairy Cattle Product Guide





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"The priceless ingredient in every product is the honor and integrity of the person who makes it."

ivestock owners know that to have peak production, you must have quality ingredients in your feed. Our dairy feeds and commodity blends are alway formulated to provide the nutrients necessary to promote consistent growth, maintain health, and increase production for your dairy herd.

There are a number of services that we provide for our customers so you can get the exact standard that you are looking for in your cattle. We've also got whole or crimped grains (such as oats or corn) along with alfalfa hay, alfalfa pellets, beet pulp, and vitamin mineral supplements. No matter what you're looking for, our goal is to ensure that you've got exactly what you need.

*A minimum of 40 bags is required for custom formulas.

Services We Provide:

1 Bulk delivery at great prices



2 Free silage samples and analysis results



3. Nutritional programs to help increase milk production



4 Access to PHD nutritionists



Great products to help with everything pertaining to dairy

- Silage innoculants
- Milk replacer
- Medications





Feeding Recommendations

Due to the differences between cattle in metabolism, feed utilization, activity, body condition, and over-all health, the actual amounts of feed required will vary. Always provide livestock with a high quality free choice mineral and a clean water supply source. Never feed musty, moldy, or contaminated feed.

All of our stocked bagged feeds come in 50 lb. bags



MEDICATED

Benefits

Deal-Rite 18% Jump Start #2 is designed as a complete feed and no additional feeds are required. This product contains high quality, highly digestible fiber sources that maximize rumen development and calf performance. Forage should be fed free choice and should be of excellent quality to ensure continued maximum growth and performance.

Feeding Directions

Feed 1/2 to 1 lb. of feed per 100 lbs. of body weight. Feed good quality hay at the rate of 1-2 lbs. per 100 lbs. body weight daily. Provide fresh, clean water at all times.

Caution: Do not feed to cows producing milk. Do not feed to sheep or other copper sensitive species.

Ingredients

Processed Grain By-Products, Grain Products, Plant Protein Products, Roughage Products, Molasses Products, Amino Plus, Calcium Carbonate, Plain Salt, Monocalcium Phosphate, Apex calf products, Propionic Acid, Acetic Acid, Benzoic Acid, Sorbic Acid, Verxite Granules, Buffering Agents, Flavoring Compounds, Vitamin E Supplement, Mineral Oil, Selenium Yeast, Organic Soybean Oil, Choline Chloride, Niacin, Thiamine Mononitrate, Biotin, Manganese Sulfate, Zinc Sulfate, Zinc Oxide, Manganous Oxide, Copper Sulfate, Ferrous Sulfate, Ferrous Carbonate, Vitamin A Supplement, Copper Oxide, Vitamin D3 Supplement, Cobalt Carbonate, Calcium Iodate, Sodium Selenite, BHT, Ethoxyquin (Preservatives).

Guaranteed Analysis

Active Drug Ingredient Decoquinate......40 g/ton (.0054%)

Crude Protein (Min) 18 %
Total Fat (Min) 4 %
Crude Fiber (Max) 5 %
Acid Detergent Fiber (Min) 6 %
Calcium (Min) 0.9 %
Calcium (Max) 1.4 %
Phosphorus (Min) 0.5 %
Selenium (Min) 2 ppm

Manufactured by Deal-Rite Feeds Inc.





MEDICATED

Benefits

Deal-Rite 20% Jump Start #1 is designed as a complete feed and no additional feeds are required. This product contains high quality, highly digestible fiber sources that maximize rumen development and calf performance. Forage should be fed free choice and should be of excellent quality to ensure continued maximum growth and performance.

Feeding Directions

Feeding directions: Feed 1/2 to 1 lb. of feed per 100 lbs. of body weight. Feed good quality hay at the rate of 1-2 lbs. per 100 lbs. body weight daily. Provide fresh, clean water at all times.

Caution: Do not feed to cows producing milk. Do not feed to sheep or other copper sensitive species.

Ingredients

Processed Grain By-Products, Grain Products, Plant Protein Products, , Molasses Products, Oats, Calcium Carbonate, Potassium Chloride, Magnesium Oxide, Zinc Sulfate, , Manganese Sulfate, Selenium Yeast, Copper Sulfate, Sodium Selenite, Calcium Iodate, Cobalt Carbonate, Vitamin D-3 Supplement, Vitamin A Supplement, Potassium Sulfate, Magnesium Soy Oil Liquid, Plain Salt, Natural and Artificial Flavor Ingredients, Silicon Dioxide, Propionic Acid, Acetic Acid, Benzoic Acid, Sorbic Acid, Verxite Granueles, Buffering Agents, Flavoring Compounds.

Guaranteed Analysis

Active Drug Ingredient Decoquinate.......40 g/ton (.0054%)

Crude Protein (Min) 20	%
Total Fat (Min) 4 %	
Crude Fiber (Max) 5 %	
Acid Detergent Fiber (Min) 6	%
Calcium (Min) 0.9 %)
Calcium (Max) 1.4 %	6
Phosphorus (Min) 0.5	%
Selenium (Min) 2 pp	m

Product is only available for pickup at our Union Grove location. Please contact us to purchase and pickup at this location.

Manufactured by Deal-Rite Feeds Inc.



Benefits

This is a feed made with high quality ingredients with no fillers added. This highly digestible diet, fed with a good hay source and fresh water, will boost your milk production.

Feeding Directions

Consult with your nutritionist about specific feeding directions. As a rule of thumb feed this grain ration at 1.5 to 2.0% of body weight depending on condition and stage of lactation of your cows. Always offer good quality forage and fresh water to your dairy cattle.

Caution: Do not feed to sheep or other copper sensitive species.

Ingredients

Processed Grain By-Products, Grain Products, Molasses Products, Soy Oil Liquid, Calcium Carbonate, Trace Mineral Salt, Monocalcium Phosphate, Choline Chloride, Niacin, Thiamine Mononitrate, Biotin, Manganese Sulfate, Zinc Sulfate, Zinc Oxide, Manganous Oxide, Vitamin E Supplement, Copper Sulfate, Ferrous Sulfate, FerrousCarbonate, Vitamin A Supplement, Copper Oxide, Vitamin D3 Supplement, Cobalt Carbonate, Calcium Iodate, Sodium Selenite, BHT, Ethoxyquin (Preservatives).

Guaranteed Analysis

Crude Protein (Min) 16 %
Total Fat (Min) 3 %
Crude Fiber (Max) 4 %
Acid Detergent Fiber (Min) 5 %
Calcium (Min) 0.8 %
Calcium (Max) 1.3 %
Phosphorus (Min) 0.5 %
Selenium (Min) 1.0 ppm

Manufactured by Deal-Rite Feeds Inc.





Benefits

This "Thermo-Cured" Feed Supplement has been designed for "Free Choice" usage in conjunction with good management practices.

Feeding Directions

The Thermo-Cured Feed Supplement is for ruminant animals only. Adequate roughage must be available at all times. Intake of this product should average 0.75 to 2.0 lbs. per head per day based on a 1,000 lb. diet.

Caution: Do not feed to sheep or other copper sensitive species. Do not feed to overly hungry or starved animals, as over consumption may occur.

Ingredients

Molasses Products, Roughage Products, Condensed Fermented Corn Extractives, Processed Grain By-Products, Urea, Magnesium Limestone, Salt, Ammonium Lignin Sulfonate, Calcium Carbonate, Magnesium Oxide, Vegetable Oil, Monocalcium Phosphate, Sodium Selenite, Artifical Flavoring, Vitamin A Supplement, Vitamin D3 Supplement, Vitamin E Supplement, Manganese Sulfate, Zinc Sulfate, Copper Sulfate, Ethylenediamine, Dihydroiodide, Cobalt Carbonate.



Manufactured for Deal-Rite Feeds Inc.

Guaranteed Analysis

Crude Protein (Min) 24 %	
Crude Fat (Min) 3 %	
Crude Fiber (Max)7.5 %	
Acid Detergent Fiber (Max) 12 %	
Calcium (Min) 2 %	
Calcium (Max) 3 %	
Phosphorus (Min) 0.5 %	
Salt (Min) 3.5 %	
Potassium (Min) 1%	
Magnesium (Min)3 %	
Copper (Min)45ppm	
Manganese (Min)170ppm	
Zinc (Min)170ppm	
Selenium (Min)3.4ppm	
Vitamin A (Min)15,000 I	U/lb.
Vitamin D3 (Min)1,500 IU	/lb.
Vitamin E (Min)1.5 IU/Ib.	



Using commidities is a cost effective way to lower costs and provide nutrition for your herd. Below are the commodities that we carry along with the protein, fat, and fiber that they contain.

- Corn
- Oats
- Soybean Meal
- Cottonseed Meal
- DDG
- Soyhull Pellets
- Wheat Midd Pellets
- Citrus



Product	Protein	Fat	Fiber
Corn	8.5%	3%	3%
Oats	11%	3%	15%
Soybean Meal	47%	0.5%	4%
Cottonseed Meal	41%	0.5%	14%
DDG	26%	8%	10%
Soyhull Pellets	11%	0.5%	40%
Corn Gluten Feed	19%	1%	10%
Wheat Midd Pellets	15%	3.5%	8%
Citrus	5%	1%	16%

Hay Products

Alfalfa is commonly fed to pregnant mares and active horses. It is rich in protein, and thus needs to be fed to horses in a small quantity, along with adequate feed and fresh, clean drinking water.

Alfalfa Dairy Hay: Large Bales

This can be fed to both horses and cattle. Bales average 1,000-1,100 lbs. each.

- Protein: 17-19%
- Relative Feed Value: Range 150-165
- Delivery available on truck load. shipments. Please call main office for delivered price.
- Please be cautious in the amount of alfalfa fed to horses due to the sensitivity of their digestive system.



Alfalfa Horse Hay: Small Bales

High quality alfalfa usually fed to horses. These bales are compressed and average 60-70 lbs. each.

- Protein: 19-21%
- Relative Feed Value: Range 180-200
- Please be cautious in the amount of alfalfa fed to horses due to the sensitivity of their digestive system.



Hay Products

Timothy hay can be fed to horses at any age and is good for colic prone horses. It is an excellent source of fiber.

Timothy Hay: Large Bales

Quality hay that can be fed to both horses and cattle. Bales average 1,000-1,100 lbs. each.

- Protein: 11.8-12%
- Relative Feed Value: 131



Timothy Hay: Small Bales

Quality hay that can be fed to both horses and cattle. These bales are compressed and average 65 lbs. each.

- Protein: 11.8-12%
- Relative Feed Value: 131





FORAGE & GRAIN TREATMENT

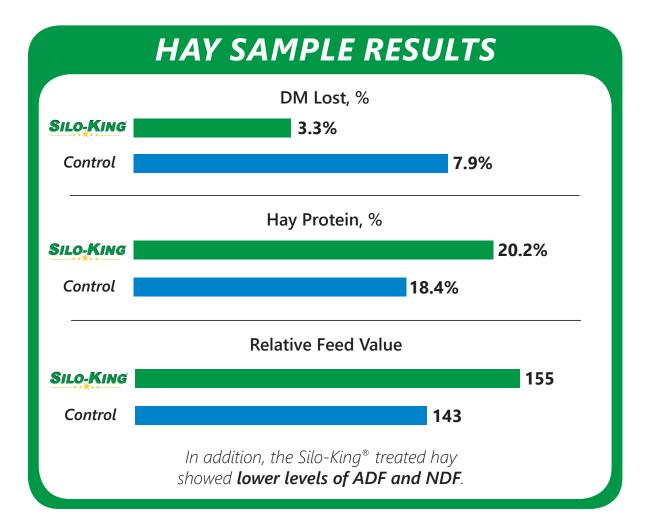


MAKING QUALITY SILO-KING® TREATED HAY & KEEPING ITS QUALITY DURING STORAGE





Trials were conducted on large alfalfa hay square bales to compare Silo-King[®] against an untreated counterpart



THE RESULTS

Silo-King® helped *reduce dry matter loss* during the curing process, in addition to *retaining more nutrients for higher-quality hay*.

SK#3375

(800) 435-9560 AGRIKING.COM

MAKING QUALITY HAY

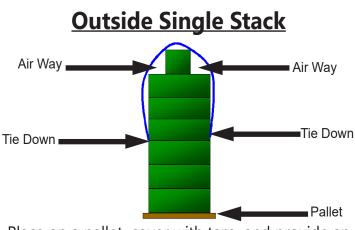
- Cut grass while in pre-head to early head
- Cut alfalfa or other legume in early bud to late bud
- Swath for more even drying
- Ted the hay when properly wilted
- Rake at 35% to 45% moisture
- Bale small square bales at 15% to 25% moisture
- Bale large square bales at 15% to 22% moisture
- Round bales can be baled at 15% to 22% moisture
- IF hay has been rained on OR during high humidity, large round or square bales *should not be baled over 20% moisture*



BE SURE TO:

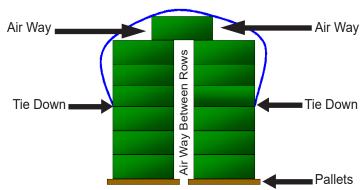
- Have a moisture tester
- Know the relative humidity
- Be prepared to store hay in a building or provide tarps for outside storage
- Avoid storing hay on the ground

STORAGE OPTIONS

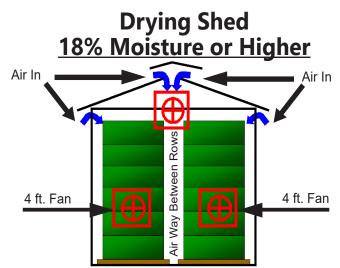


Place on a pallet, cover with tarp, and provide an airway at top of stack.

Outside Double Row Stack



Place on pallets, provide an airway between rows and at the top, cover with tarp.



Place stacks on pallets, provide airway at the top and between stacks. Use fans to circulate the air.

CHECKING HAY TEMPERATURE Check baled hay temperature for three weeks		
100°-110°	ОК	
110°-125°	CAUTION	
125°-140°	WATCH hay closely. Ensure there is plenty of air movement	
140°-Above	START MOVING HAY . Temperature will keep rising and fire can occur.	

APPLICATION RATES - Per Ton

Moisture	Small Square Bales	Large Square Bales
From 10% to 15%	1.0 lbs	2.0 lbs
From 16% to 18%	1.5 lbs	2.5 lbs
From 19% to 20%	2.0 lbs	3.0 lbs
From 21% to 22%	2.5 lbs	4.0 lbs
From 22% to 25%	3.0 lbs	

DO NOT EXCEED 22% MOISTURE WHEN BALING LARGE BALES

BALING CHART

If Relative Humidity is: 60% ADD 2.5% to hay moisture reading 70% ADD 3.3% to hay moisture reading 75% ADD 4.0% to hay moisture reading 80% ADD 5.0% to hay moisture reading 85% ADD **6.6%** to hay moisture reading ADD 90% **10.0%** to hay moisture reading

to calculate the relative % hay moisture

EXAMPLE: Moisture tester reading = 17%, relative humidity = 70%, add 3.3% to 17% to get adjusted moisture = **20.3%**

*We recommend applying Silo-King[®] using relative hay moisture readings when relative humidity is high.



Silo-King[®] is a synergistic product whose ingredients are formulated to protect and preserve many types of hay and forages

WHAT SETS SILO-KING[®] APART?



Neutralize free radicals and deter plant and microbial respiration, resulting in less heating during the "sweat" or "cure out" phase.



Breaks down plant fibers to speed up curing process, allowing moisture to escape and making the stem more pliable, resulting in softer hay and forage that is more digestible and energy dense.



Produces energy-rich lactic acid in forages with higher moisture to reduce pH.



Reduces spoilage, thus retaining sugars to reduce secondary fermentation.

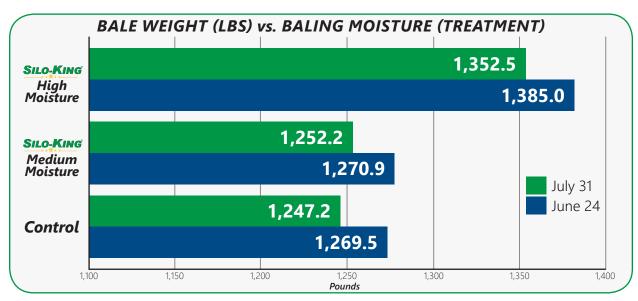
"CAPTURING THE NUTRITIONAL VAI

ON-FARM RESULTS

An eastern Washington trial on alfalfa hay compared Silo-King® treated bales at varying moistures against untreated bales. These lab samples were taken 65 days after baling and after 35 days in a shipping container.

		SILO-K Mid Mois No Wra SN153403	ture 1p	SILO-K Mid Mois Wrappo SN153403	ture	SILO-K High Mois No Wro SN153403	sture ap	SILO-K High Moi Wrapp _{SN153403}	sture
Delmhorst Moisture*	8.40%	Delmhorst Moisture*	19.80%	Delmhorst Moisture*	19.80%	Delmhorst Moisture*	29.60%	Delmhorst Moisture*	29.60%
Lab Moisture*	8.47%	Lab Moisture*	10.19%	Lab Moisture*	8.40%	Lab Moisture*	12.69%	Lab Moisture*	9.75%
RFV	113	RFV	154	RFV	135	RFV	150	RFV	133
RFQ	98	RFQ	164	RFQ	131	RFQ	142	RFQ	123
Protein	16.79%	Protein	20.59%	Protein	19.57%	Protein	21.27%	Protein	18.71%
IVDMD	62.82%	IVDMD	72.82%	IVDMD	68.50%	IVDMD	73.24%	IVDMD	69.19%
NDFD-30	38.52%	NDFD-30	51.36%	NDFD-30	44.46%	NDFD-30	45.03%	NDFD-30	42.14%
ADF	37.21%	ADF	29.35%	ADF	33.52%	ADF	31.48%	ADF	34.78%
NDF	49.20%	NDF	40.01%	NDF	43.14%	NDF	40.02%	NDF	43.14%
NIT-N (ppm)	1334	NIT-N (ppm)	819	NIT-N (ppm)	788	NIT-N (ppm)	916	NIT-N (ppm)	1202
Calories	429	Calories	493	Calories	460	Calories	476	Calories	456
Mold (CFU/g)	55,500	Mold (CFU/g)	1,750	Mold (CFU/g)	2,980	Mold (CFU/g)	540	Mold (CFU/g)	1,670
Ash	7.36%	Ash	8.62%	Ash	8.92%	Ash	11.17%	Ash	9.70%

Bales were weighed on the day of baling (June 24), then were weighed again on July 31 after curing and prior to moving to the warehouse for pressing. Weights listed are averages in each category.



*Delmhorst moisture readings were conducted on the day of baling (Day 0), while lab moistures were taken on Day 65

UE IN FEEDS IS THE KEY TO PROFIT."



Over 100 samples of corn silage from central Wisconsin were analyzed comparing energy values between forages treated with Silo-King[®] and a competitor's product

CORN SILAGE LAB ANALYSIS

Calories per lb. DM	SILO-KING	Competitor
575+	93.6%	88.5%
600+	74.5%	61.5%
625+	21.3%	0.0%
Top Sample	648 calories	620 calories

Silo-King[®] treated corn silage averaged **10 more calories per pound of dry** *matter* over the competition. That difference results in **7,440 more calories** *per ton**, creating **24 more pounds of milk potential**^ and **\$3.96 greater** *income potential per ton* of forage[#].

*Corn silage calculated at 62% moisture ^Milk potential based on 310 calories to produce one pound of milk (Source: McDonald et al., The Biochemistry of Silage, 2nd ed.) #Milk prices calculated at \$16.50/cwt

SK#3377

(800) 435-9560 AGRIKING.COM



WHAT ARE YOU GETTING FROM YOUR FORAGE TREATMENT PROGRAM?

LESS HEATING
 INCREASED DIGESTIBILITY
 ENHANCED PALATABILITY
 MORE ENERGY
 IMPROVED BUNK LIFE

Products from



Close-Up Pellet (In Stock)

Dawes Calf Probiotic

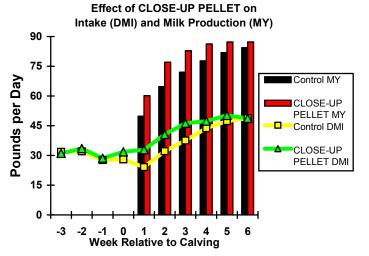
Streseez for Dairy

CLOSE-UP PELLET® FACT SHEET

PROVEN IN UNIVERSITY RESEARCH

Research conducted at the University of Missouri by Dr. Jim Spain shows cows fed **CLOSE-UP PELLET** as part of an effective closeup feeding program have greater feed intake and higher milk production, as well as improved health, calcium status, and energy balance. Net profit per cow increased substantially, because...

- ✓ CLOSE-UP PELLET INCREASED DRY MATTER INTAKE over 20% during the first 4 weeks after calving
- CLOSE-UP PELLET INCREASED MILK PRODUCTION more than 8 lbs./cow/day during the first 6 weeks



- CLOSE-UP PELLET IMPROVED
 FRESH COW HEALTH with less milk fever, retained placenta, metritis, ketosis, and displaced abomasums
- CLOSE-UP PELLET IMPROVED CALCIUM AND ENERGY STATUS, increasing serum Ca and reducing serum NEFA levels
- CLOSE-UP PELLET REDUCED URINE pH from 8.29 to 6.78

For more information, please contact Dawe's Laboratories Technical Service staff at 800-433-4013.

CLOSE-UP PELLET is protected by US Patent 5,360,823.

PROVEN ON THE FARM

More than a dozen supervised field trials have been conducted at locations across the country proving **CLOSE-UP PELLET** really works where it counts – in the field.

LESS MILK FEVER

On seven dairy farms, **CLOSE-UP PELLET** was fed to a total of 527 cows. The overall diagnosed rate of milk fever was 2.5%, less than half the US average of 6.0% (Technical Service Bulletins 292, 307, 308).

HIGHER SERUM CALCIUM

CLOSE-UP PELLET was fed to 49 cows on two dairy farms. The average serum Ca concentration at calving was 8.40 mg/dl, well above even the *subclinical* level of hypocalcemia. (TSB 292, 307).

INCREASED MILK PRODUCTION

Dairymen, nutritionists and veterinarians report cows fed **CLOSE-UP PELLET** increased annual milk production by an average of 1792 lbs./cow (TSB 293, 298, 299).

LESS RETAINED PLACENTA

In one field trial, cows fed **CLOSE-UP PELLET** had an RP incidence rate of 2.7%, compared with 7.5% for cows fed a commercial supplement supplying chlorine as the sole source of anions. On another dairy farm, the RP incidence rate fell from 14.3% to 3.8%, once **CLOSE-UP PELLET** was fed (TSB 306).

BETTER PALATABILITY

On five different dairy farms, cows were fed a top-dress of either **CLOSE-UP PELLET** or a competitive anionic salt supplement. The cows fed **CLOSE-UP PELLET** consumed 79% of the product. Cows consumed only 9% of the competitive supplement.









Arlington Heights, IL 60004 1-800-323-4317 www.DawesNutrition.com

PRODUCT SPECIFICATIONS

DCP-WS is a water-soluble nutritional supplement source of live (viable) naturally occurring microorganisms for calves (30 million CFU per gram total)

DCP-WS contains:	The live microorganisms from: Lactobacillus acidophilus, L. casei, L. reuteri, L. bulgaricus, Bifidobacterium bifidum, B. animalis, B. infantis, B. gallinarium, B. thermophilum, Enterococcus faecium, Dextrose, Dried Skim Milk, Natural and Artificial Flavors, Ascorbic Acid, Choline Chloride, Vitamin B12, Niacin, Pantothenic Acid, Thiamine, Riboflavin and Biotin.			
COLOR AND TEXTURE:	White to cream color, fine, granular powder.			
PACKAGING:	20 lb. bulk pail.			
SOLUBILITY:	Excellent			
INDICATIONS:	Highly concentrated supplement designed for use in young calves still consuming milk replacer. To improve calf weight, metabolism and reduce mortality. Prevent and reduce E. coli and Salmonella type scours.			
MIXING DIRECTIONS:	Mix 85 grams (one scoop) with milk replacer per every 50 calves. It is recommended that DCP-WS be used in all replacer fed to calves during the first 5 weeks of the calf's life. If calves need further supplementation add DCP-WS to the calves' drinking water. Seal container after each use.			
CONSUMPTION GUIDE:	 Provide 1.7 grams per calf twice per day in milk replacer until weaned. For 50 calves use 85 grams, one scoop, per each feeding. For older calves that are weaned, supply 85 grams in the drinking water for 3 days at a time to help maintain normal gut microflora and to keep out harmful bacteria for improved health and greater intake. 			
ADDITIONAL NOTES:	The water should be free of any antibacterial chemicals during the delivery period. This would include no chlorine, antibiotics, citric acid, copper sulfate, or quaternary ammonia products. Seal container after each use. Store in a cool, dry area. For animal use only. Keep out of reach of children.			

Dawes PRODUCT BULLETIN

BEAT THE HEAT...NOW!

During periods of extreme heat like we've been experiencing across the country this summer, milk production typically decreases by at least 5.5% (U. Missouri, 1993). That's 3.5, 4 lb or more of lost milk, per head per day...and lost milk fat and milk protein, too.

To help dairy cattle regain normal levels of production, Dawe's Laboratories formulated and produces **STRESEEZ®** FOR DAIRY, a concentrated water-dispersible nutritional supplement of electrolytes, essential vitamins, and trace minerals designed specifically to alleviate ruminant heat stress.

Properly balanced, potassium and sodium are the keys to reviving milk production. **STRESEEZ® FOR DAIRY** supplies more than 8 times the potassium, and 9 times the sodium, of one popular heat-stress supplement....and does so at no additional cost to the dairyman!

No other commercially available heat-stress supplement comes close to providing dairy cattle with what they need during heat stress (as recommended in the 2001 NRC for Dairy).

Just 1 pound of **STRESEEZ**[®] **FOR DAIRY** per 128 gallons of drinking water can help your cows through the heat of summer.

STRESEEZ® FOR DAIRY can also be added to grain mixes or TMRs. It's another specifically-designed water-dispersible supplement from Dawe's Laboratories...the world's most experienced manufacturer of micronutrients for the relief of stress.





We believe agriculture and farming is the backbone of America. We support our farmers 100% and are passionate about providing the exact products you need so that your farm and your family can be successful. Since 1962, our business has been grounded on quality, integrity, and faith, and we hope to continue with that mission by bringing our products to you. Please call if you have any questions and we will be happy to help you in any way we can!



President Ronald Deal and Vice President Diane Williams

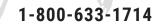
Your local salesman: David Williams

- **C** 704-881-1801
- 🖂 davidjames@deal-ritefeeds.com



Prices on each product change on a weekly basis. Please call our main office to inquire of prices.

To place an order, learn more about our products, or discuss your animal's nutritional needs, contact us using the information below.





deal-ritefeeds.com

🖂 orders@deal-ritefeeds.com