

SweetPro[®]

PREMIUM FEED SUPPLEMENTS





20

SweetPro

FiberMate 8



SweetPro® products feature fermentation feed ingredients, rich in yeast, enzymes, prebiotics, and volatile organic acids (VOA) that support rumen fermentation and overall digestion, with increased feed efficiency of up to 25%.

Condensed distillers solubles (CDS) and dried distillers grains with solubles (DDGS) replace molasses in SweetPro® blocks, providing energy from complex carbohydrates, not simple sugars. Complex carbohydrates minimize the digestive disruption often associated with starch and sugar.

SweetPro® blocks feature high by-pass protein and are fortified with vitamins A, D & E and a balanced blend of organically complexed (chelated) trace minerals, making an outstanding supplement for forage.

SweetPro® started production in 1991 and secured six patents between 1994 and 2004. SweetPro® has patented a new concept in non-molasses free choice block supplementation and developed the **ProBiotain®** process in 2002. SweetPro® has taken a leading position in supporting animal health naturally by maximizing nutrient utilization for optimum immune response and performance.

Ingredients in All SweetPro® Products

Condensed corn/milo distillers solubles, corn/wheat/milo distillers dried grains with solubles, salt, corn gluten meal, mono-calcium phosphate, calcium carbonate, calcium sulfate, magnesium oxide, potassium chloride, yeast culture, aspergillus oryzae extract, aspergillus niger fermentation liquid, proteinate complex of zinc, proteinate complex of manganese, proteinate complex of copper (not in Sheep Block), zinc sulfate, manganese sulfate, copper sulfate (not in Sheep Block), calcium carbonate, cobalt carbonate, sodium selenite, ethylenediamine dihydriodine, vitamin E supplement, vitamin D3 supplement, vitamin A acetate.

Additional Ingredients Include:

- Starter – sodium bicarbonate
- FiberMate 18, 20, Magnum, Dry Cow – biuret, ammonium sulfate
- PowerMate – diatomaceous earth
- Pasture Ranger – vegetable oil, diatomaceous earth

NO MOLASSES



250 lb (114 kg) block



Vitamins and Minerals

The SweetPro® trace mineral program uses organic complexes for maximum bioavailability. If minerals don't get into the bloodstream they're going out the waste stream. SweetPro® is a leader in percentages of organic trace elements in blocks.

Macro minerals in SweetPro® are selected for maximum performance. A balanced blend of vitamins A, D & E, with enhanced activity from fermented feeds, is used in SweetPro's patented process.

Organic Complexed Trace Minerals

Linking the metal ion to a protein or other organic carrier assures that the mineral has the best chance of being absorbed via digestive pathways. It's less likely to get tied up (complexed) with other substances which pass through undigested.

When metal ions are in the blood they can do their job providing building blocks for growth and better health. Immune function is enhanced. The animal has better tools to fight off sickness.

Nothing cuts into profitability like sickness and nothing cuts down sickness like a good quality mineral program.

ProBiotin® (a blend additive)

ProBiotin® is a unique and proprietary blend of nutritional supplements designed to maximize feed utilization and minimize health problems.

ProBiotin's blend additive consists of:

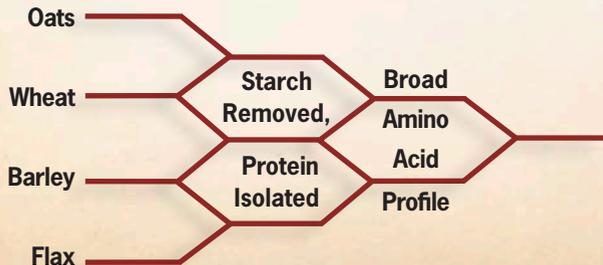
A. Four prebiotic oligosaccharides plus Beta-glucan to feed the beneficial probiotic bacteria

B. Four digestive enzymes

Amylolytic
Fibrolytic
Phospholytic
Proteolytic

C. Yeast cultured on a media of wheat, oats, barley malt and flax

The ProBiotin® blend is stabilized in a manner which optimizes enzymatic values and fermentation metabolites and broadens the amino acid profile with multiple protein isolates (yeast, three grains and flax).



The ProBiotin® Process:

In the patent pending ProBiotin® process, protein and dietary fiber are concentrated, several



prebiotic oligosaccharides are produced, and enzymes used in the process are stabilized to work a second time in the digestive tract along with the metabolites of yeast growth.

The flax in ProBiotin® is known for its healthy Omega 3 fatty acids, and is also one of the best sources of lignans, which contribute to improve immune function. Lignans from flax have strong antioxidant properties that may play a positive role in preventing disease.



Trace minerals fed to nurture the yeast are organically complexed by the yeast and, in turn, nurture the animal more efficiently.

This process makes for an enzymatic mix geared to help metabolize starches, sugars, fiber, protein and minerals.

ProBiotin® dramatically supports nutrient utilization, giving the body what it needs for growth.

Prebiotics • Protein • Yeast • Enzymes = ProBiotin®

Probiotics

Probiotics commonly refers to both the beneficial bacteria in the digestive tract and the supplements used to increase their population. They break down forages by converting sugars and carbohydrates into beneficial by-products of fatty acids and nutrilites, where they will then be absorbed into the blood and delivered to cells as nutrients.

Microflora is the broad term that describes all the bacteria (both good and bad) active in the digestive tract. Probiotics (good bacteria) and pathogens (disease-causing bacteria) are all part of the same microflora, but when the probiotics are strong and healthy, their populations flourish, leaving little room and food for the pathogens. This “crowding out” of the pathogens is referred to as “competitive exclusion”.

4 Prebiotics

Prebiotics are food for probiotics and help keep probiotics healthy. Prebiotics are oligosaccharides. They are not directly digested by the animal but rather by the probiotics. These dietary food fibers nourish the microflora’s beneficial bacteria as they are converted into beneficial nutrilites. The four prebiotics that are used in SweetPro® are fructo (FOS), mannan (MOS), xylo (XOS) and arabinoxylo (AXOS) oligosaccharides plus Beta-glucans. These four have been specifically selected, because separately they are good, but combined they are better.

Many products contain only one type of prebiotic, but since selective digestion occurs, SweetPro® targets four main types of prebiotics. This becomes a key advantage for SweetPro® users, because when probiotics are healthy and strong, feed gets digested better (25% better), nutrients are absorbed better, and the pH stays balanced better.

- **FOS** Fructo - oligosaccharide
- **MOS** Mannan - oligosaccharide
- **XOS** Xylo - oligosaccharide
- **AXOS** Arabinoxylo - oligosaccharide
- **Beta-glucans** From oats



When probiotics are strong and healthy, they break down foods and their population flourishes — leaving very little room and food for the pathogens.



Enzymes Make Life Work

Wherever there is life, there are enzymes. They are the digestive catalysts that speed up all reactions involving the transformation of energy and other nutrients. There are many types of enzymes and all are specialized for specific chemical reactions.

Everything that is coming into the animal's body has a certain chemical shape. These shapes can't be absorbed into the blood or consumed by the cells. Enzymes attach to these shapes, rearrange them into something more bioavailable, and send them on their way.

Enzymes can perform multiple jobs. For instance, fibrolytic enzymes are targeted to break down fiber, but they will also break down EXCESS fibrin which can "scar" connective tissue, and could lead to arthritic and musculoskeletal pain.

Barley malt contains a tremendous amount of enzymes. When you germinate (malt) the barley seed, it sends out these enzymes that would normally utilize the seed's storage pod to convert starches and proteins into a plant stem. By halting this germination process, the abundance of liberated enzymes are harnessed for use in SweetPro®.

As an example, phytase is not added separately to SweetPro®, but since it occurs naturally in the barley malt, it is still very prominent in the product. Phytase is crucial in utilizing phosphorus.

The prebiotics and enzymes are found in the blend additive, ProBiotein®.



"When used properly, newly developed enzyme formulations have the potential to help your cows produce more milk without more feed, by digesting it more thoroughly." ". . . they are essential for digestion as they break down feeds into their chemical components such as glucose and amino acids. The cow then uses these components directly or through microbes in her rumen." Ontario Ministry of Agriculture, Food and Rural Affairs – January 5, 2000

Amylolytic Enzymes

break down
starch and sugars

Fibrolytic Enzymes

break down
fibers

Phospholytic Enzymes

break down
phosphorus and phytic acid

Proteolytic Enzymes

break down
proteins



Protein

Protein in SweetPro® blocks is from safe sources.

Starter, Cattle Kandi, SweetPro 16, Pasture Ranger and **PowerMate** blocks, and **Fresh Start** meal, contain only natural protein.

FiberMate, Magnum and **Dry Cow** blocks have a mix of mostly natural protein along with ammonium sulfate and biuret which have a slow nitrogen release. NO urea is used.

Protein in SweetPro® has a high “rumen by-pass” value. This supports cows producing more milk for demanding “growthy” calves, while the calves themselves get better protein for frame development by licking the blocks alongside the cow.

Energy and Digestibility

The energy in SweetPro® is from complex carbohydrates, not simple sugar. These complex carbohydrates help minimize digestive disruption while high fat levels additionally boost energy.

Yeast and enzymes from fermentation also aid in digestion and feed efficiency (feed efficiency is improved by up to 25% using SweetPro®).

Strong amino acid blend

Oats



Flax



Wheat



Barley



Condensed Distillers Solubles and Dried Distillers Grains with Solubles

How do SweetPro® blocks differ from molasses blocks?

NO MOLASSES.

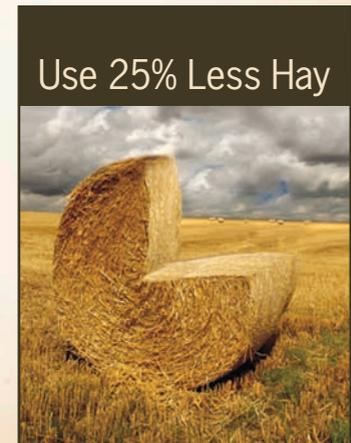
SweetPro® products feature fermented distillers feeds instead of molasses. Condensed distillers solubles (CDS) and dried distillers grains with solubles (DDGS) are used. CDS have similar binding and aroma benefits, but they are much higher in protein and fat than molasses. And they have NO sugar content to negatively affect the rumen and drive down pH.

Condensed distillers solubles are noted for their protein quality and complex carbohydrate energy values.

All the vitamins, minerals, and digestive enzymes are delivered in our patented solid carrier of distillers grains and solubles with high bioavailability. Consumption is targeted to 0.75 to 1.5 lb (0.35 to 0.70 kg) per head per day.

Digestive support from SweetPro's unique blend of yeast, enzymes, prebiotics, vitamins and minerals helps maintain animal health and reduces costs because feed is digested more efficiently.

- **University trials have demonstrated that SweetPro® improves feed efficiency by up to 25%. That's unparalleled among lick blocks.**
- **Healthy animals net back more profit.**
- **When animals get proper nutrients in the right form, vaccines work better too.**
- **With SweetPro®, keeping animals healthy has never been easier.**



Lick Blocks for Every Stage of Growth



Starter	250 to 450 lb	All classes of cattle including light calves and receiving cattle (both beef and dairy calves)
Cattle Kandi	450 to 650 lb	All classes of cattle including heavier calves, receiving cattle and for starting stockers on grass
SweetPro 16	650 to 1,000 lb	First calf heifers, stockers on grass, purebred operations, goats, horses
FiberMate 18	900 to 1,400 lb	Cow block for average forage conditions, cows in stalks and stubble, goats
FiberMate 20	1,000 to 1,450 lb	For low consumption and tough forage conditions
Super 25	1,000 to 1,450 lb	For low consumption and tougher forage conditions
Magnum	1,000 to 1,450 lb	“The Stopper” slows consumption in toughest forage conditions

Specialty Blocks

Pasture Ranger	Stocker cattle and brood cows on bloat prone wheat pasture and alfalfa (high oil surfactant bloat block which helps slow digestive passage rates)
PowerMate	All natural supplement for first calf heifers, brood cows, stocker cattle, goats and horses
PowerMate II	Brood cows, stocker cows, stocker cattle, goats and horses
Dry Cow	Anionic dairy dry cow and beef breeder block
Sheep Block	Vitamin, mineral and protein supplement for sheep in normal forage conditions
Sheep Block II	Higher protein and calcium for sheep in tougher forage conditions
MineralEX	Mineral block with EXtra punch from organic complexed trace minerals

Specialty Meals

Fresh Start	A meal supplement for lactating animals, new born calves and show animals
Sheep Meal	A meal supplement (low copper) features ProBiotin® to assist in nutrient utilization and maintain immune function





NUTRIENT		STAGE OF GROWTH BLOCKS							SPECIALTY BLOCKS						MEALS				
		CATTLE STARTER	SWEET KANDI	FIBER PRO 16	FIBER MATE 18	FIBER MATE 20	SUPER 25	MAG - NUM	PASTURE RANGER	POWER MATE	POWER MATE II	DRY COW	SHEEP BLOCK	SHEEP BLOCK II	MINERAL EX	FRESH START	SHEEP MEAL		
PROTEIN	MIN	15.00%	18.00%	16.00%	18.00%	20.00%	25.00%	30.00%	9.50%	14.00%	20.00%	24.00%	16.00%	18.00%	5.25%	15.00%	15.00%		
NPN MAX (AS)		NONE	NONE	NONE	7.00%	8.00%	8.00%	15.00%	NONE	NONE	9.00%	10.00%	NONE	NONE	NONE†	NONE	NONE		
FAT	MIN	5.50%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	6.75%	5.00%	5.00%	5.00%	5.00%	5.00%	2.00%	4.00%	4.00%		
CRUDE FIBER	MAX	5.50%	5.50%	5.50%	5.50%	5.50%	5.00%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	2.50%	5.00%	5.00%		
CALCIUM (Ca)	MIN	1.00%	1.25%	1.25%	1.75%	1.75%	2.75%	1.55%	1.50%	1.00%	1.00%	1.75%	1.30%	2.00%	7.60%	1.00%	1.00%		
	MAX	1.50%	1.75%	1.75%	2.25%	2.25%	3.25%	2.00%	2.00%	1.50%	1.50%	2.25%	1.50%	2.50%	8.00%	1.50%	1.50%		
PHOSPHORUS (P)	MIN	1.00%	1.00%	1.25%	1.25%	1.75%	1.70%	1.40%	1.10%	1.00%	1.00%	2.00%	1.25%	1.25%	6.20%	1.25%	1.25%		
SALT (NaCl)	MIN	6.50%	7.00%	13.00%	9.00%	12.00%	12.00%	12.00%	7.00%	7.00%	7.00%	8.00%	13.00%	11.00%	13.00%	6.50%	6.50%		
	MAX	8.50%	8.50%	15.50%	10.50%	13.50%	13.50%	13.30%	10.00%	10.00%	10.00%	10.00%	15.00%	12.50%	15.50%	8.00%	8.00%		
MAGNESIUM (Mg)	MIN	1.00%	2.00%	2.50%	2.50%	3.50%	3.25%	4.00%	2.25%	1.50%	2.00%	2.00%	2.50%	2.25%	3.30%	1.00%	1.00%		
POTASSIUM (K)	MIN	0.90%	1.10%	1.10%	1.10%	1.10%	1.00%	1.00%	0.35%	1.10%	1.10%	1.00%	1.10%	1.10%	1.00%	1.10%	1.10%		
SULFUR (S)	MIN	0.20%	0.40%	0.50%	1.00%	1.50%	1.50%	1.75%	0.50%	0.50%	1.75%	1.85%	0.50%	0.75%	0.75%	0.40%	0.40%		
COPPER (Cu)	PPM	600	600	600	600	600	600	600	600	600	600	600	25 *	25 *	2,100	600	25*		
SELENIUM (Se)	PPM	5	5	5	5	5	5	5	5	5	5	8	5	5	16.5	5	5		
COBALT (Co)	PPM	4	4	4	4	4	4	4	4	4	4	4	4	4	13	4	4		
ZINC (Zn)	PPM	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	3,650	1,200	1,200		
MANGANESE (Mn)	PPM	750	750	750	750	750	750	750	750	750	750	750	750	750	2,750	750	750		
IODINE (I)	PPM	8	8	8	8	8	8	8	8	8	8	8	8	8	26	8	8		
VITAMIN A	IU/LB	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	250,000	100,000	100,000		
VITAMIN D	IU/LB	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	60,000	20,000	20,000		
VITAMIN E	IU/LB	80	80	80	80	80	80	80	80	80	80	1,100	80	80	240	250	250		
† AVAILABLE WITH ALTOSID IGR IN CERTAIN AREAS									*NO SUPPLEMENTAL COPPER ADDED										

How much SweetPro® will my cattle eat?

There are many factors which influence intake, but they can be managed with the “right tub for the forage” to average one pound per day on a moderate frame cow (1,100 lb or 500 kg).

Factors influencing intake include:

- Forage quality
- Animal size and gestation
- Adaptation period (2 to 3 weeks)
- Nutritional plane of the animal
- Weather



A common question for new users is: “**How much will my cattle eat the first day?**” Two scenarios are typical.

1) In most cases, intake is higher during the adaptation period 1.25 to 1.75 lb or 0.55 to 0.80 kg per day but starts to level off after a week to ten days if cattle are on a reasonably sound plane of nutrition. If so, intake will level off in a range of 0.75 to 1.25 lb/hd/day or 0.35 to 0.55 kg/hd/day for an average intake of 1 lb (0.45 kg) per day.

2) If livestock are replenishing body stores of key minerals, adaptation may take four to five weeks. In either case, the cost of higher intake during adaptation is offset by significant improvement in feed efficiency. For cows on a maintenance diet, forage intake will drop by 25% or more. For cows regaining body condition or for growing cattle, the improved feed efficiency is reflected in greater gain on the same amount of feed intake.

Forage Quality: If a tub which is designed to limit intake in harsh conditions, such as **FiberMate 20** or **Magnum**, is used on lush grass or good quality forage (Relative Feed Value above 115) cattle may ignore the tub altogether for several days and only later nibble less than one quarter pound per day. If forage quality is poor (RFV below 85) intake of the tubs will average higher than one pound per day and the producer should use the next, more restrictive intake tub. For example, if intake of **FiberMate 18** averages over 1.5 lb/hd/day or 0.7 kg/hd/day, change to **FiberMate 20**, or in extreme cases, use **Magnum**. Conversely, if intake is under 0.5 lb/hd/day or 0.25 kg/hd/day, drop back from **FiberMate 18** to **SweetPro 16**.

Animal Size: Larger framed animals will eat proportionally more than moderate framed animals. Cows typically increase intake 0.25 lb (0.12 kg) in mid to late gestation, but often eat less just before calving. It's best to start cows one to two months before calving. Starting too close to calving can complicate the adaptation period and result in erratic intake.

Weather: Weather can be a factor for intake. In advance of a storm, for example, consumption sometimes increases.

Plane of Nutrition: As noted above, animals depleted of certain minerals or other nutrients, will tend to have

higher intake until their overall plane of nutrition improves. Conversely, if hay includes good alfalfa or grain is added to the diet, consumption of the tub declines.

Adaptation Period: The adaptation period can range from ten days to five weeks, depending upon various factors, the most important of which is forage quality.

Nursing calves will consume tubs along with the cow but at rates proportionate with their weight (i.e. 1,100 lb or 500 kg) cow consuming 1.25 lb or 0.55 kg, her 400 lb or 180 kg calf will consume 0.25+/- to total 1.5 lb or 0.12+/- to total 0.70 kg for the pair).



Calf and Cattle Blocks

Though available for all classes of cattle, SweetPro® **Starter™** and **Cattle Kandi™** are also designed for essential fortification of starting calves and receiving cattle requirements for vitamins A, D & E plus protein, calcium, phosphorus and trace elements including selenium.

Daily intake will vary depending on forage quality and nutritional needs. Expected range of consumption is from 0.5 to 1.5 lb (0.25 to 0.70 kg) per head per day. Forage digestion is greatly increased and no additional grain is needed. A great energy and protein source, weight gain is improved an additional 0.5 to 0.75 lb (0.25 to 0.35 kg) per head per day. A “growthy gain” that builds frame, not fat. SweetPro® calf blocks help minimize bacterial scours and are convenient to feed with less waste and labor.



Starter™ Blocks

Essential fortified protein supplement for starting lighter calves and receiving cattle. **Starter™** provides vitamins A, D and E, plus protein, calcium, phosphorus and trace elements including selenium. Net wt 225 lb (102 kg)



225 lb (102 kg) block

Cattle Kandi™ Blocks

Fortified protein supplement for starting heavier calves, receiving cattle and stockers on grass. **Cattle Kandi™** is sometimes used for cows on lush pastures to provide minerals and slow digestive passage rates. Net wt 225 lb (102 kg)



225 lb (102 kg) block



SweetPro 16[®] Blocks

All natural protein supplement for heifers, brood cows, stocker cattle, goats and horses. Net wt 250 lb (114 kg)

SweetPro 16[®] protein supplement is designed for the essential fortification of heifers, brood cow and stocker cattle requirements for vitamins A, D & E plus protein, calcium, phosphorus and trace elements including selenium. Daily intake will vary depending on forage quality and nutritional needs. The expected range of consumption is from 0.75 to 1.25 lb (0.35 to 0.55 kg) per head per day.

SweetPro[®] blocks improve calving and clean-up. Stronger calves pay bigger dividends. SweetPro[®] blocks are an effective tool to support breed-back. Organic complexed (chelated) minerals plus extra energy are known to improve first service conception rates. Using SweetPro[®] blocks at weaning reduces calf weight loss by reducing weaning stress and cows consistently wean heavier, “growthy” calves without risk of discounts for “fat” calves.

Heifers and Their Nutritional Needs

The **SweetPro 16[®]** block is often called, the “heifer block” because of its effectiveness helping the heifer continue her growth and maturity while nursing a calf and conceiving a second. This is the toughest nutritional scenario for a beef herd. A key tool is a program that allows the heifer to get maximum energy value from non-starch substrates. When you maximize the value of forage, you minimize the need for extra grain (starch) as an energy supplement. Grain is great for putting finish on cattle but not frame. And the heifer is still growing her own frame at this time.

In SweetPro[®] blocks, there’s virtually no starch or sugar and minimal NSC (non-structural carbohydrate). Instead, the focus is on complex (structural) carbohydrate and high by-pass protein value in the distillers grain carrier. We then emphasize a top quality vitamin and mineral package with organic complexed trace minerals to maximize bioavailability. Your cattle not only get the extra benefit of the supplement’s ingredients, but they also get up to 25% more out of the rest of their feed. When heifers get better feed-efficiency on forage they do better and their calves are stronger. Fertility improves because her own needs are being met and nature says she’s okay to have another calf without waiting extra heat cycles to replenish body stores.

Calving and Weaning

We recommend feeding SweetPro[®] blocks four to six weeks ahead of putting out the bulls to raise the cow’s/heifer’s plane of nutrition with a fertility-enhancing flushing benefit, and to increase the likelihood of conception on the first service.

Another very efficient time for SweetPro[®] supplementation is just before weaning to counter cows being pulled down by big calves and replenish body condition going into winter. The cows/heifers will give more milk and calves also lick the tubs for their own “double” benefit. For best results and calves averaging 60 to 80 lb (27 to 36 kg) heavier at weaning, use SweetPro[®] tubs all year.



FiberMate™, Super 25 and Magnum

FiberMate™ blocks are an important part of the SweetPro® “stage of growth” series. Designed for the essential fortification of brood cow, stocker cattle, goats and horse requirements for vitamins A, D & E, plus protein, calcium, phosphorus and trace elements including selenium. NPN is NOT urea, rather, we use ammonium sulfate and biuret. The **FiberMate™** blocks are an incremental tool to prevent over or under consumption. When intake exceeds 1.75 lb (0.80 kg) per head per day, step up to the next block number. When consumption slows below 0.75 lb (0.35 kg) per head per day, drop down to a lower number block.

FiberMate 18 fortified protein supplement for brood cows, stocker cattle, and goats on pasture and dry lot. Net wt 250 lb (114 kg)

SweetPro **FiberMate 18** is designed for average forage conditions. Daily intake will vary depending on forage quality and nutritional needs. Expected range of consumption is from 0.5 to 1.5 lb (0.25 to 0.70 kg) per head per day.

FiberMate 20 and **Super 25** fortified protein supplements for brood cows, stocker cattle and goats on pasture and dry lot. Net wt 250 lb (114 kg)

A.J. Starr, ranching in western South Dakota says,
“It’s as easy as falling out of your pickup.”

SweetPro® **FiberMate 20** and **Super 25** are designed for tough forage conditions. Daily intake will vary depending on forage quality and nutritional needs. Expected range of consumption is from 0.35 to 1.35 lb (0.15 to 0.60 kg) per head per day. If cows are eating too much **FiberMate 18**, switch to **FiberMate 20** or to **Super 25**.

Magnum fortified protein supplement for brood cows, stocker cattle and goats on pasture and dry lot. Net wt 250 lb (114 kg)

“The Stopper”. The **Magnum** (30% protein) is designed to stop overconsumption when forage quality is very poor or quantity is limited. Expected range of consumption is from 0.35 to 1.35 lb (0.15 to 0.60 kg) per head per day.



Pasture Ranger Blocks

Essential fortification for stocker cattle on bloat prone wheat pasture and alfalfa. Net wt 250 lb (114 kg)

SweetPro® draws on its many years of fermentation experience to create a block for cattle on bloat-prone wheat and alfalfa pasture. There are many parallels between what happens in a steel tank during fermentation of feed grains and in cattle as “four-legged fermentation tanks.” Excess high-surface-tension foam in a steel tank creates a spill-over mess, but in cattle it can kill. It has to be counteracted with anti-foam strategies which revolve around vegetable oil and proteolytic enzymes. Researchers have long recognized the benefits of added vegetable oil and recommend it for bloat prevention. SweetPro’s **Pasture Ranger** includes high vegetable oil content dispensed evenly and daily.

SweetPro’s blocks also help slow the feed digestion passage rates to limit bloat, and proteolytic enzyme activity further reduces protein related surface tension factors in foam. High calcium counteracts “dead rumen” syndrome where normal rumen contractions are hindered or cease. All these features work toward helping cattle on wheat and alfalfa pasture to combat bloat.

Also, the calcium-phosphorus ratio is 2:1. This counters the calcium deficiency common in wheat pasture and helps rumen

function. High magnesium and no added potassium helps prevent tetany. Wheat pasture’s abundant protein is primarily degradable intake protein (DIP). SweetPro® **Pasture Ranger** blocks are high in undegradable intake protein (UIP – “by-pass protein”) for “growthy” stocker cattle. Additionally, complex carbohydrate energy complements low-fiber high-moisture wheat grass. Pasture Ranger also has diatomaceous earth.

PowerMate™ and PowerMate II Blocks

All natural supplement with diatomaceous earth for brood cows, stocker cattle, goats and horses. Net wt 250 lb (114 kg)

SweetPro **PowerMate™** lick blocks are designed for essential fortification of brood cow, stocker cattle and horse requirements for vitamins A, D & E, macro minerals and trace minerals.

After adaptation period, consumption will be approximately:

yearlings	0.50 to 1.25 lb (0.25 to 0.55 kg) per day
cows	1.00 to 1.30 lb (0.45 to 0.80 kg) per day

If intake of **PowerMate™** exceeds 1.75 lb (0.80 kg) per day, switch to **PowerMate II**.



250 lb (114 kg) block

Dry Cow/Calver-Breeder Blocks

These blocks are designed for essential fortification of dry cow requirements for vitamins A, D & E, protein, calcium, phosphorus and trace elements including selenium. High vitamin E and low NaCl salt with anionic emphasis helps fight milk fevers and udder edema. Net wt 250 lb (114 kg)

1,100 IU/lb (2,425 IU/kg) of vitamin E in combination with selenium (8 ppm) enhance the body defenses to protect against infectious agents for better calving, clean-up and rebreeding.

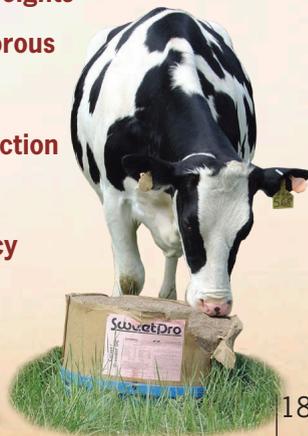
SweetPro® blocks have a solid magnesium profile and

limited sodium chloride salt – thus minimizing the chances of udder edema. Instead, the emphasis is ANIONIC salts to prevent milk fever. Use of the anionic salts (ammonium and calcium sulfate) shifts the dietary cation-anion balance in a more anionic or negative direction to help lower blood and urine pH, increase calcium absorption and mobilization, cause higher blood calcium levels and decrease the incidence of milk fever.

Other potential benefits include increased intake after calving, improved milk yield and improved conception rate along with decreased incidence of retained placenta, displaced abomasum, dystocia and udder edema.

Fortified Protein Supplements for Beef and Dairy

- Supports Conception Rate Increases
- Supports Improved Weaning Weights
- Calves Up Right Away and Vigorous
- Cows Clean Quickly
- Supports Improved Milk Production
- Supports Improved Breedback
- Up to 25% More Feed Efficiency



- Supports Improved Production
- Supports Calves with Thrifty, “Growthy Gain”
- Virtually All Foot Rot and Sore Eyes Are Eliminated
- Supports Improved Bull Fertility
- Supports Improved Herd Health
- Maximized Economic Performance
- More Profit. More Pounds on Pasture

Sheep Blocks and Sheep Meal

All natural, **low copper**, vitamin, mineral and protein supplement for sheep. The reduced copper that sheep require is supplied without danger of toxicity.

Sheep Block / Sheep Block II (both with low copper)

Sheep Block is for normal forage conditions and **Sheep Block II** has more protein and calcium for tougher forage conditions. Sheep Blocks come in 125 lb (57 kg) and 250 lb (114 kg) sizes. Both sizes can be easily tipped, rolled into place and repositioned as needed.

Sheep Meal (low copper)

Sheep Meal features the blend additive ProBiotain® to improve nutrient uptake and animal health. ProBiotain® includes protein concentrates from wheat, oats, barley malt, flax and yeast. This broadens the amino acid balance of the ration. Sheep Meal comes in 50 lb (22.7 kg) bags and 2,000 lb (900 kg) totes.



Use one 250 lb (114 kg) block for every 20 to 25 head of sheep.

SweetPro® Sheep Blocks Help Support:

- Improved fertility
- Easier lambing
- Increased milk production
- Improved flock health
- Improved breedback
- Improved feed conversion
- Reduced prolapses
- Reduced feed costs
- Improved wool quality and output
- Handling tough forage conditions



250 lb (114 kg) block



250 lb (114 kg) block

50 lb (22.7 kg) meal



2,000 lb (900 kg) tote



SweetPro's 125 lb (57 kg) all-weather sheep blocks.

Goats

The same SweetPro® “stage of growth” blocks that are used for cattle can be used for goats. Simply use the higher or lower number depending on forage quality and quantity to regulate intake per head per day. Blocks come in 250 lb (114 kg) and Fresh Start comes in 50 lb (22.7 kg) bags and 2,000 lb (900 kg) totes.

SweetPro 16 / FiberMate 18 / FiberMate 20 / PowerMate / PowerMate II / Fresh Start



Goats eating SweetPro 16 Block



250 lb (114 kg) block



Goats eating Fresh Start

Goats are unlike sheep in their copper requirements. SweetPro® provides everything your goats need for optimal health and better feed efficiency.

SweetPro® benefits all classes of goats, from pregnant does to kids and billies.

In addition to supporting improved health, users report improved fertility and increased percentages of successful multiple births.



50 lb (22.7 kg) meal



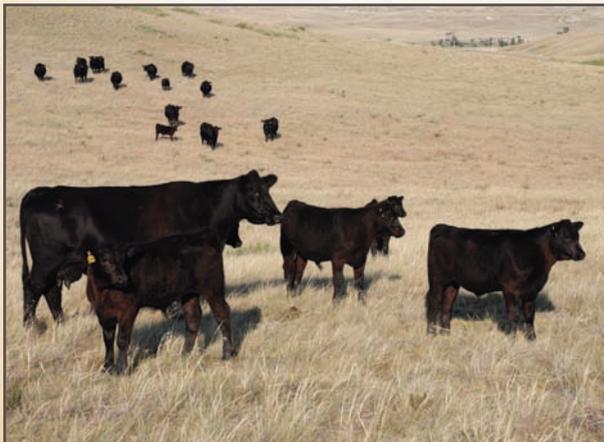
Mineral EX Blocks with Altosid® IGR

SweetPro® introduces **Mineral EX**, the lick block which takes mineral supplementation to a new level by adding several nutritional factors into one powerful new package. Net wt 250 lb (114 kg)

The Mineral Block with EXtras

EXtra punch from organic complexed trace minerals. EXtra convenience in the “forkliftable” container.

Mineral EX blends vitamins, macro minerals (Ca, P, Mg, K) and organic complexed trace minerals (C, Zn, Mn) with our proprietary digestive aid additive, **ProBiotin®**.

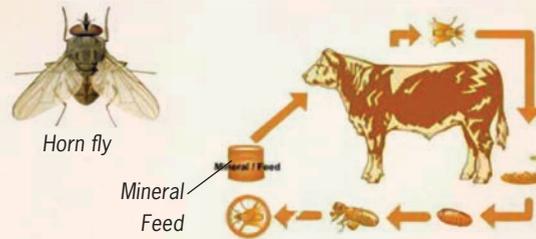


Nothing cuts into profitability like sickness, and nothing cuts down sickness like a premium mineral program.

Intake Expectations

Stockers: 2 to 4 oz/hd/day (56 to 112 g/hd/day)
Cows (on pasture): 3 to 5 oz/hd/day (85 to 140 g/hd/day)
Cows (dry lot): 4 to 8 oz/hd/day (112 to 224 g/hd/day)

Mineral EX comes standard with Altosid IGR fly control. Altosid prevents the emergence of the adult horn fly from the manure of treated cattle.



Fresh Start Meal

A versatile supplement meal for beef cattle receiving and finishing rations. It is also used in goat and swine rations (**low copper version for sheep**). Dairy rations are fortified to boost milk peaks (also used in milk replacer for calves).

Fresh Start is designed to support herd health and feed efficiency with yeast, enzymes and fermentation metabolites while also stimulating intake (ethyl alcohol edge) and keeping stressed animals on feed, even in hot weather.

Fresh Start is a blend of fermentation oriented ingredients including ethyl alcohol. Ethyl alcohol

With Fresh Start you can now get more feed into your animals and also get more out of what goes in.



50 lb (22.7 kg) meal



provides dense and readily absorbed energy to the ration. Fermentation ethyl alcohol and the nutritional elements needed to produce it, provide a unique blend of benefits for livestock. Net dry matter intake and utilization determines production. If an animal isn't eating properly, it's not performing properly. **Fresh Start** stimulates intake and appetite for an immediate impact, and goes further to help improve feed efficiency.

Show Animals

If you're raising and showing cattle, goats or swine, **Fresh Start** is the extra edge your animal needs to make it to the winner's circle. Your whole herd can have the same benefits many National Champions have had by using **Fresh Start**.



Other Benefits of SweetPro Blocks Include –

Labor Savings

SweetPro® is high tech nutrition dispensed by a simple, convenient lick block. One pound of SweetPro block replaces 3.5 lb (1.6 kg) of range cake (Oklahoma trial) and blocks are only placed out every week to ten days, saving labor and fuel costs. This also eliminates the waste of range cubes fed on the ground, where stomping and overconsumption by “boss” cattle often prevent others from consuming their daily required amount.

Fly Control Blocks Available with ALTOSID® IGR

Effective fly control for 3½ to 4 cents per hd/day. During horn fly season, without fly control, daily average gain may be reduced by 0.25 lb (0.11 kg) per hd/day. But an Altosid IGR (Insect Growth Regulator) feed-thru fly control investment of \$4.50 to \$5.50 per cow/calf pair for a summer feeding season will yield returns from 6:1 to 10:1. All SweetPro blocks are also available with garlic.

No Negative Associative Effect (NAE)

Energy from complex carbohydrates, not simple sugar, minimizes digestive disruption from digestion of starch (Negative Associative Effect) on the microbial populations which digest fiber in the rumen, keeping rumen pH high for improved health.

Supports Herd Health

- Optimum conception rates
- Calves up right away and vigorous
- Cows clean quickly
- Weaning weights reported 60 to 80 lb (27 to 36 kg) heavier when fed year around
- Calves are more thrifty with “growthy gain”
- Virtually all foot rot and sore eyes are eliminated
- Bull fertility supported
- Overall herd health supported
- Maximized economic performance
- More profit



FEEDING INSTRUCTIONS:

1. Before feeding SweetPro® lick blocks for the first time, animals should be well fed and have access to plenty of clean fresh water at all times.
2. Have one lick block available for each 25 - 30 beef or dairy cattle or horses.
3. Provide an adequate source of good quality roughage and forage at all times (all they can consume).
4. Move blocks at least 100 feet (30 meters) away from water sources if intake exceeds 1.50 lb/head/day (.68 kg/head/day).
5. Make blocks available in more than one location in large pastures or where more than one water source is available.
6. If animals run out of SweetPro® lick blocks, repeat from step #1.
7. Other salt and minerals may be provided free choice to balance specific needs.
8. A two week adaption period will be required to establish a base consumption rate. After adaptation consumption will average .5 to 1.25 lb (.22 to .56 kg) per day.

SweetPro®

PREMIUM FEED SUPPLEMENTS

NO MOLASSES

SweetPro® all-weather blocks are made from Condensed Distillers Solubles (CDS) and Dried Distillers Grains with Solubles (DDGS), which makes them better than molasses blocks.

Here's why:

- Higher in protein than molasses
- Nearly 10x higher in fat than molasses
- Complex carbohydrates, not simple sugars
- Keeps rumen pH higher, healthier
- Helps avoid acidic digestive disruption
- Easier and safer to stack
- Won't melt and cause unsafe stacks
- No pallets needed for shipping/storing
- Won't get soupy or sticky in summer sun
- Won't freeze solid in winter
- Resists rain and moisture
- Can be moved around, even in summer



Harvest Fuel | SweetPro Feeds

207 14th Street | PO Box 69 | Walhalla, ND 58282

SweetPro dealer is:

Sales & Marketing:

888-229-0475
218-568-8887

Corporate:

800-327-9222
701-549-3450

Fax:

701-549-3440

SweetPro Web:

www.sweetpro.com

E-mail:

info@sweetpro.com



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