

sucraseed™ Sugar is good

HIGH SUGAR RYEGRASSES & PASTURE MIXTURES

BEEF BANK

HIGH SUGAR GRASS BEEF MIX

- 25% AberDart HSG Perennial Ryegrass*
- 25% AberAvon HSG Perennial Ryegrass*
- 20% AberEcho HSG Tetraploid Ryegrass*
- 15% QuickDraw Orchardgrass
- 10% Bandito 2 Tetraploid Intermediate Ryegrass
- 3% Medium Red Clover
- 2% Ladino Clover

Packaged Size 25 lbs
Planting Rate: 25 lbs/Acre

CASH COW

HIGH SUGAR GRASS DAIRY MIX

- 25% AberDart HSG Perennial Ryegrass*
- 25% AberAvon HSG Perennial Ryegrass*
- 18% AberEcho HSG Tetraploid Ryegrass*
- 15% Perfect Alfalfa
- 10% Bandito 2 Tetraploid Intermediate Ryegrass
- 5% Titan Timothy
- 2% Ladino Clover

Packaged Size 25 lbs
Planting Rate: 25 lbs/Acre

EQUITY ADVANCED HORSE PASTURE

GROWING VALUE IN YOUR PASTURE FOR YOUR HORSE

- 35% Paddock Meadow Brome
- 20% Quickdraw Orchardgrass
- 20% Smooth Brome
- 10% Climax Timothy
- 10% Kentucky Bluegrass
- 5% Birdsfoot Trefoil

Packaged Size 25 lbs
Planting Rate: 25 lbs/Acre

GREAT GAINS

HIGH SUGAR GRASS MIX

- 25% AberDart HSG Perennial Ryegrass*
- 25% AberAvon HSG Perennial Ryegrass*
- 25% AberEcho HSG Tetraploid Ryegrass*
- 13% Bandito 2 Tetraploid Intermediate Ryegrass
- 10% Titan Timothy
- 2% Ladino Clover

Packaged Size 25 lbs
Planting Rate: 25 lbs/Acre

SWEET SPOT

HIGH SUGAR GRASS MIX FOR IRRESISTIBLE FOOD PLOTS

- 30% AberDart HSG Perennial Ryegrass*
- 30% AberAvon HSG Perennial Ryegrass*
- 11% Winter White Clover
- 11% Dynamite II Medium Red Clover
- 8% San Gabriel Birdsfoot Trefoil
- 5% Purple Top Turnips
- 5% Six Point Chicory

Packaged Size 15 lbs
Planting Rate: 15 lbs/1/2 Acre

SWEET SILAGE

HIGH SUGAR GRASS SILAGE MIX

- 50% AberEcho HSG Tetraploid Ryegrass*
- 20% AberAvon HSG Perennial Ryegrass*
- 20% AberDart HSG Perennial Ryegrass*
- 10% Medium Red Clover

Packaged Size 50 lbs
Planting Rate: 25 lbs/Acre

PASTURE SWEET'NER

NORTHERN OVERSEEDING MIX

- 30% AberAvon HSG Perennial Ryegrass*
- 30% AberDart HSG Perennial Ryegrass*
- 30% AberEcho HSG Tetraploid Ryegrass*
- 10% Bandito 2 Tetraploid Intermediate Ryegrass

SOUTHERN OVERSEEDING MIX

- 60% AberEcho HSG Tetraploid Ryegrass*
- 40% LoneStar Annual Ryegrass

Packaged Size 50 lbs
Planting Rate: 15-25 lbs/Acre



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*High Sugar Grass Variety



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The Science Behind HSGs

Livestock are actually poor converters of plant protein into milk and meat. When feeding traditional forage, livestock only utilize about 20% of the protein from the forage for production. The majority of the remaining protein is excreted in the feces and urine. This is not only financially costly, but can be detrimental to the environment.

A major reason for these losses is the imbalance between readily available energy and protein within the plants. Proteins are rapidly broken down when the forage enters the rumen. However, when the diet lacks readily available energy, the rumen microbes are unable to utilize the nitrogen that is being released from the feed, therefore, absorbing it as ammonia and eventually excreting it into the environment.

Plant cell walls consist of complex carbohydrates, cellulose, hemicellulose and lignin. Although these components can be broken down, this takes time, making the energy in the carbohydrates unavailable for production (meat/milk).

Water soluble carbohydrates are the sugars found inside the plant cells, rather than in the cell walls themselves. They become a source of readily available energy soon after forage enters the rumen, allowing rumen microbes to process more plant protein. This protein can then be used in the production of meat and milk.

HSG varieties, with high levels of water soluble carbohydrates (sugars/energy), significantly improve the efficiency of this process, allowing greater use of the protein that is available.

Research has shown that HSG varieties have consistently higher levels of sugars than standard varieties throughout the season. Water soluble carbohydrate levels of up to 50% higher have been recorded in some HSGs. However, studies have shown that even a small increase in the levels of water soluble carbohydrates can have a big effect on ruminant performance.

Numerous trials involving dairy cattle, beef cattle, and sheep, have demonstrated significant production benefits from feeding HSG varieties.

Cornell University Forage Trial - Fall 2007

% Water Soluble Carbohydrates – Fourth Harvest 2007 Lsd @ 0.05 1.95%

