

## STRONG CROPS BEGIN WITH STRONG ROOTS

Founded in 1923, Southern States now has more than 300,000 farmer-members. As one of the nation's largest agricultural cooperatives, the Richmond, Virginia based firm provides a wide range of farm inputs, including fertilizer, seed, livestock feed and pet food, animal health supplies and petroleum products, as well as other items for the farm and home. The Cooperative serves its members and non-member customers through some 1,200 retail outlets.

Southern States is with you all the way - from seed to harvest. From analyzing your soil, to recommending the best inputs, to identifying problems before they erupt, we'll be there to help at every step - ensuring that your land gives back more than you put in.



Farmer owned since 1923.

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# SOUTHERN STATES

## 2011 LIBERTYLINK® VARIETIES

Corn & Soybean



KEEP THE SIMPLICITY. LOSE THE RESISTANCE



Farmer owned since 1923.

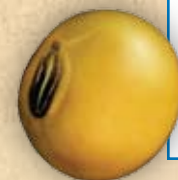
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## Southern States is pleased to offer the only nonselective alternative to glyphosate-tolerant systems in corn.

The LibertyLink® trait is available in our most trusted, high yielding corn and soybean varieties, providing growers the options to use Ignite® herbicide for effective weed management and farming efficiency.

- All Herculex® corn hybrids contain the LibertyLink trait.
- LibertyLink soybean varieties are high-yielding with no yield drag or lag.



### SS 738HXLL



#### PLANT CHARACTERISTICS

Days to Maturity	115
Plant Height	Tall
Ear Height	Medium High
Ear Length	Medium Long
Ear Girth	Medium Girthy
Ear Type	Flex
Test Weight	Medium
Kernel Type	Dent
Grain Finish	Good

#### AGRONOMIC TRAITS

Seedling Vigor	G
Stalk Strength	G
Root Strength	M
Drought Tolerance	VG
Dry Down	G
SCLB Tolerance	MR
NCLB Tolerance	MR
Gray Leaf Spot	MT
Common Rust	R
Corn Borer	I
Southern Rust	R

#### MANAGEMENT RECOMMENDATIONS

Final Stand – High Management	30,000/acre
Low Management	22,000/acre
Silage	27–34,000/acre
No-Till Adaptation	Excellent
Silage Rating – Lactating Dairy	Excellent
Silage Rating – Beef	Excellent

#### POSITIVE ATTRIBUTES

**Yield** – Yields equal to or better than most industry-leading hybrids in its maturity class.

**Insect tolerance** – Contains Dow Herculex insect protection from European corn borers, southwestern corn borers, western bean cutworms, black cutworms, fall armyworms and others.

**Herbicide Tolerance** – Tolerates Ignite herbicide application.

**Silage** – Very good tonnage numbers and even better digestibility of fodder and grain make this an excellent dual-purpose hybrid.

**Adaptation** – It yields throughout the south and handles moderate levels of stress as well as high-yield conditions. It ears very well with consistent large ears in the row.

**Southern Rust** – This hybrid is fairly resistant to southern rust and most other diseases found in the south.

**Population Response** – It responds well to higher populations better management, but remains solid under average growing conditions.

### SS 998HXLLRR2



#### PLANT CHARACTERISTICS

Days to Maturity	125
Plant Height	Very Tall
Ear Height	Medium
Ear Length	Medium Long
Ear Girth	Moderate Girthy
Ear Type	Semi-Flex
Test Weight	Very High
Kernel Type	Moderately Flinty
Grain Finish	Excellent
Endosperm Texture	Very Hard

#### AGRONOMIC TRAITS

Seedling Vigor	G
Stalk Strength	VG
Root Strength	G
Drought Tolerance	E
Dry Down	S
SCLB Tolerance	E
NCLB Tolerance	NA
Gray Leaf Spot Tolerance	VG
Common Rust Tolerance	E
Corn Borer Tolerance	I

#### MANAGEMENT RECOMMENDATIONS

Final Stand – High Management	32,000/acre
Low Management	24,000/acre
Silage	28–34,000/acre
No-Till Adaptation	Good
Silage Rating – Lactating Dairy	NA
Silage Rating – Beef	NA

#### POSITIVE ATTRIBUTES

**Insect tolerance** – Contains Dow Herculex insect protection from European corn borers, southwestern corn borers, western bean cutworms, black cutworms, fall armyworms and others.

**Herbicide Tolerance** – Tolerates glyphosate herbicide application and Ignite herbicide application.

**Silage Tonnage** – It has high tonnage to fill the silo but excellent grain if kept for grain harvest.

**Stress Tolerance** – It handles heat and drought very well.

**Adaptation** – It is adapted across a broad range of environments east to west where this maturity silage is grown.

**Drydown** – Slow drydown makes for long window of silage harvest.

**Disease Tolerance** – This is a very healthy hybrid with very good tolerance to southern and common rust, southern corn leaf blight and gray leaf spot.

**Test Weight** – This is our heaviest test weight hybrid and can be used for grain if planted in areas where this late maturity fits.

### LL 450 N MID GROUP IV

- Performs on tough soils and less than ideal conditions
- Stands up to stress
- Tall branching gray plant

### LL 499 N LATE GROUP IV

- Good Frogeye ratings
- Excellent standability
- High yield potential
- Very tall plant height
- Top performer in 2010 state trials

### LL 511 N EARLY GROUP V

- High yield potential
- Excellent standability
- Medium plant height
- Top performer in 2010 state trials

### LL 595 N LATE GROUP V

- Good Sudden Death Syndrome tolerance
- Excellent standability
- High yield potential
- Sensitive to Meribuzin
- Top performer in 2010 state trials

### LL 396 N LATE GROUP III

- Above average disease package
- Performs well across soil types
- Bushy, tall plant height

### LL 426 N EARLY GROUP IV

- Good Sudden Death Syndrome tolerance
- Solid Soybean Cyst Nematode resistance
- Tall with nice branching

### LL 430 N MID GROUP IV

- Stands up to stress
- Tall branching plant
- Performs across soil types and less than ideal conditions

## Soybean Varieties Comparisons by Relative Maturity & Characteristics

Variety	Group and Relative Maturity	Pubescence Color	Plant Shape	Phytophthora Tolerance	Cyst Nematode		Average Seed Count per Pound
					Race 3	Race 14	
LL 396 N	Late III	Tawny	Bushy	Good	Yes	Yes	2,900
LL 426 N	Early IV	Tawny	Bushy	Very Good	Yes	Yes	2,800
LL 430 N	Mid IV	Lt. Tawny	Narrow	Very Good	Yes	No	3,000
LL 450 N	Mid IV	Gray	Bushy	Good	Yes	No	2,900
LL 499 N	Late IV	Gray	Narrow	Very Good	Yes	No	2,900
LL 511 N	Early V	Lt. Tawny	Bushy	Very Good	Yes	Yes	2,900
LL 595 N	Late V	Gray	Bushy	Very Good	Yes	No	3,100



For LibertyLink® crops, choose Ignite® herbicide for nonselective postemergence control of broadleaf and grass weeds, including weeds resistant to glyphosate and multiple herbicide classes.

- Ignite is fast acting, killing weeds in days versus weeks.
- Ignite is labeled for use on all LibertyLink crops including corn, soybeans, cotton and canola