

A Comparison of Sweet Corn Genotypes

Sweet Corn Genotype	Genes & Copy Number			Examples	Kernel Description	Advantages	Disadvantages	Isolation Requirements ¹
	<i>su</i>	<i>se</i>	<i>sh₂</i>					
Normal	2			Silver Queen Stowells Evergreen	100% normal	·vigorous seed	·no shelf life	Supersweet Augmented Shrunken
Heterozygous Sugary Enhanced	2	1		Silverado Argent	75% normal 25% sugary enhanced	·vigorous seed ·creamy and tender	·short shelf life	Supersweet Augmented Shrunken
Homozygous Sugary Enhanced	2	2		Table Sweet™ varieties Silver King, Sugar Snow II Imaculata, Brilliance	100% sugary enhanced	·vigorous seed ·creamy and tender	·short shelf life	Supersweet Augmented Shrunken
Supersweet			2	Snow White Boreal Millennium	100% supersweet	·long shelf life ·sweet and crisp	·low seed vigor ·tough	Normal Sugary Enhanced Synergistic
Synergistic Heterozygous Sugary Enhanced	2	1	1	Sweet Breed™ varieties	56% normal 19% sugary enhanced 19% supersweet 6% tender supersweet	·vigorous seed ·longer shelf life	·mixed kernel types on ear	Supersweet Augmented Shrunken
Synergistic Homozygous Sugary Enhanced with <i>sh₂</i>	2	2	1	TripleSweet™ varieties Cinderella	75% sugary enhanced 25% tender supersweet	·vigorous seed ·longer shelf life	·mixed kernel types on ear	Supersweet Augmented Shrunken
Synergistic Homozygous Sugary Enhanced with <i>bt₂</i>	2	2	1 (<i>bt₂</i>)	Misquamicut Avalon	75% sugary enhanced 25% tender supersweet	·vigorous seed ·longer shelf life	·mixed kernel types on ear	Supersweet Augmented Shrunken
Augmented Shrunken		2	2	Gourmet Sweet™ varieties Multisweet™ varieties Xtra-Tender™ varieties	100% tender supersweet	·long shelf life ·tender and sweet	·low seed vigor ·mushy ·hand harvest only	Normal Sugary Enhanced Synergistic
Mirai™	2	2	2	Mirai™ varieties	100% tender supersweet	·long shelf life ·tender and sweet	·low seed vigor ·mushy ·hand harvest only	None necessary

¹ To avoid starchy kernels, isolate from the genotypes listed by ≥ 500 ft or ≥ 12 days in silking. For the best results, each genotype should be isolated from the others or planted in large blocks. All sweet corn must be isolated from field corn and pop corn.

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