Bt Corn Products for 2015 in the Southeastern U.S. (updated October 13, 2014). Table courtesy of Kathy Flanders, Auburn University.

	-		Amo	unt of Ins	ect Control 1					
Product Trade Name (Abbreviation)	Bt protein(s)	Corn Ear- worm (ear)	Fall Army- worm (whorl)	Corn Borers ² (stalk)	Black Cutworm (seed- ling)	LCB ³ (seed- ling)	Corn root- worm ⁴ (roots)	Herbi- cide Toler- ance⁵	Required refuge in the South ⁶	Event(s)
		Aboveground					In soil			
Agrisure Products										
Agrisure 3011	Cry1Ab mCry3A	F	F-G	E	P	G	F-G	GT LL	50%	Bt11, MIR604, GA21
Agrisure Viptera 3110	Vip3Aa20 Cry1Ab	E	E	E	G	G	_	GT LL	20%	MIR162, Bt11, GA21
Agrisure Viptera 3111	Vip3Aa20 Cry1Ab mCry3A	E	E	E	G	G	F-G	GT LL	20%	MIR162, Bt11, MIR604, GA21
Agrisure Viptera 3220	Vip3Aa20 Cry1Ab Cry1F	E	E	E	VG	VG	_	GT LL	20%	MIR162, Bt11, TC 1507, GA21
Herculex and Optimum Prod	lucts									
Herculex I (HX1or HR)	Cry1F	P	G-VG ⁷	Е	G	G	_	LL	50%	TC 1507
Optimum Intrasect (YHR)	Cry1F Cry1Ab	F-G	VG	E	VG	VG		LL RR2	20%	TC 1507, MON810
Optimum Intrasect XTRA (YXR)	Cry1F Cry1Ab Cry34Ab1/Cry35Ab1	F-G	VG	E	VG	VG	E	LL RR2	20%	TC 1507, MON810, DAS-59122-7
Optimum Leptra (VYHR)	Cry1F Cry1Ab Vip3Aa20	E	E	E	VG	VG	_	LL RR2	20%	TC 1507, MON810, MIR162
YieldGard Products										
YieldGard Corn Borer (YGCB)	Cryl Ab	F	F-G	E	P	G	_	_	50%	MON810
YieldGard VT Triple (VT3)	Cry1Ab Cry3Bb1	F	F-G	E	P	G	VG	RR2	50%	MON810, MON88017
Genuity/SmartStax/POWER	CORE Products									
Genuity VT Double PRO (GENVT2P)	Cry1A.105 Cry2Ab2	G-VG	E	Е	P	VG	_	RR2	20%	MON89034, NK603
Genuity VT Triple PRO (GENVT3P)	Cry1A.105 Cry2Ab2 Cry3Bb1	G-VG	E	E	P	VG	VG	RR2	20%	MON89034, MON88017
POWERCORE	Cry1A.105 Cry2Ab2 Cry1F	VG	E	E	G	VG	_	LL RR2	20%	MON89034, TC 1507, NK603
SmartStax (SSX, Dow) or Genuity SmartStax (GENSS, Monsanto)	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34Ab1/Cry35Ab1	VG	E	E	G	VG	E	LL RR2	20%	MON89034, TC 1507, MON88017 DAS-59122-7

¹ E = excellent, VG = very good, G = good, F = fair, P = poor. Excellent usually means better than 95 percent control. Poor means less than about 30% control ² Southwestern corn borer, European corn borer, and sugarcane borer, and others. ³ Lepidopteran Bt traits do not specifically list lesser cornstalk borer (LCB) as a target pest. ⁴ Bt rootwom traits target western corn rootworm larvae (CRW), which occurs in areas such as north Alabama and north Georgia. These traits are not effective against southern corn rootworm. ⁵ GT = Glyphosate tolerant; LL= Liberty Link (glufosinate tolerant); RR2= Roundup Ready 2 (glyphosate tolerant) ⁶ See product Insect Resistance Management (IRM) documentation from the seed companies for more details. ⁷Resistance to Cry1F has been reported in some areas of the Southeast. Adapted from D. Buntin and K. Flanders, 2014, Bt Corn Products for the Southeastern United States. Based on input from the Southern Corn Insect Working Group and the Southern Row Crop Insects Group. Highlighted insects are the ones most likely encountered in Virginia.