



### Commercially available cotton transgenic traits and associated seed brands.

Trait Package*	Seed Brand(s)**	Bt Gene								Herbicide Tolerance				
		Cry1Ac	Cry1Ab	Cry1F	Cry2Ab	Cry2Ae	Vip3A	Vip3Aa19	Cry51Aa2	Glyphosate	Glufosinate	Dicamba	2-4,D	HPPD
AX	FM, ST									X	X	X		X
AXTP	FM, ST		X			X		X		X	X	X		X
B2XF	DP, NG, ST	X			X					X	X	X		
B3TXF	Armor, DG, DP, NG	X			X		X		X	X	X	X		
B3XF	Armor, DG, DP, NG, ST	X			X		X			X	X	X		
GL	FM									X	X			
GLT	FM, ST		X			X				X	X			
GLTP	FM, ST		X			X		X		X	X			
RF	PHY (Pima only)									X				
W3E1	PHY	X		X			X				X		X	
W3FE	PHY	X		X			X			X	X		X	
WRF	PHY (PHY444WRF only)	X		X						X	X			
XF	DP, NG									X	X	X		
Conventional	Americot, BSD, May, Gowan, Hazera, Seed Source Genetics, others; 'brownbag'													

\*Trait package abbreviations: AX: Axant Flex; AXTP: Axant Flex with TwinLink Plus; B2XF: Bollgard II with XtendFlex; B3TXF: Bollgard 3 with ThryvOn and XtendFlex; B3XF: Bollgard 3 with XtendFlex; GL: Glytol with Liberty Link; GLT: Glytol with Liberty Link & TwinLink; GLTP: Glytol with Liberty Link & TwinLink Plus; RF: Roundup Ready Flex; W3E1: Widestrike 3 with Enlist; W3FE: Widestrike 3 with Roundup Ready Flex and Enlist; WRF: Widestrike with Roundup Ready Flex; XF: XtendFlex; Conventional: no insect or herbicide traits.

\*\*Seed brand abbreviations: Armor (WinField United); BSD: Brownfield Seed & Delinting; DG: DynaGro (Nutrien); DP: Deltapine (Bayer); FM: FiberMax (BASF); NG: NexGen (Americot); PHY: PhytoGen (Corteva); ST: Stoneville (BASF).

'Brownbag' includes any Variety Not Stated (VNS) grower-caught seed.

Compiled by Ken E. Lege' and Ben M. McKnight.

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