



# New Soybean and Cotton Herbicide Technology Considerations

L-465

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Herbicide Classification	<i>Enlist One</i> <sup>a</sup> General	<i>XtendiMax</i> Restricted Use	<i>Engenia</i> Restricted Use	<i>FeXapan</i> Restricted Use
Active Ingredients	2,4-D choline salt 3.8 lb ae/gal + Colex-D	DGA salt of dicamba 2.9 lb ae/gal + VaporGrip	BAPMA salt of dicamba 5 lb ae/gal	DGA salt of dicamba 2.9 lb ae/gal + VaporGrip
Herbicide Group	4	4	4	4
Herbicide Tolerant Crops	Enlist Soybean, Enlist Cotton, Enlist Corn	Roundup Ready 2 Xtend Soybean, XtendFlex Cotton	Roundup Ready 2 Xtend Soybean, XtendFlex Cotton	Roundup Ready 2 Xtend Soybean, XtendFlex Cotton
Application Timing	Preplant, PRE, POST 1.5 to 2 pints/A	Preplant, PRE - 44 fl oz/A POST (In-crop) - 22 fl oz/A	Preplant, PRE, POST 12.8 fl oz/A	Preplant, PRE - 44 fl oz/A POST (In-crop) - 22 fl oz/A
Maximum Total Seasonal Use	6 pints/A	88 fl oz/A	51.2 fl oz/A	88 fl oz/A
Maximum Crop Stage/Size	Enlist Soybean - R2 Enlist Cotton - Mid-bloom Enlist Corn - V8/30 inches tall	Xtend Soybean - R1 XtendFlex Cotton - 7 days prior to harvest	Xtend Soybean - R1 XtendFlex Cotton - 7 days prior to harvest	Xtend Soybean - R1 XtendFlex Cotton - 7 days prior to harvest
Weed Size	See label for specific weed size recommendations	< 4 inches height	< 4 inches height or < 2 inches rosette diameter	< 4 inches height
Approved Tank Mixtures, Spray Nozzles, and Additives (Consult website no more than 7 days prior to application)	EnlistTankmix.com	xtendimaxapplicationrequirements.com	engeniataankmix.com	www.fexapanapplicationrequirements.dupont.com
Additive Restrictions	See label	<b>DO NOT</b> tank mix products containing ammonium salts, such as ammonium sulfate or UAN. See label for additional additive restrictions.	<b>DO NOT</b> apply with any ammonium- containing additives including ammonium sulfate or UAN. See label for additional additive restrictions.	<b>DO NOT</b> tank mix products containing ammonium salts, such as ammonium sulfate or UAN. See label for additional additive restrictions.
Maximum Sprayer Speed	See nozzle manufacturer's recommendations	15 mph	15 mph	15 mph
Minimum Spray Volume	10 GPA	15 GPA	10 GPA	15 GPA

	<i>Enlist One<sup>a</sup></i>	<i>XtendiMax</i>	<i>Engenia</i>	<i>FeXapan</i>
Maximum Boom Height	Minimum boom height based on nozzle manufacturer's directions	24 inches above target pest or crop canopy	24 inches above target pest or crop canopy	24 inches above target pest or crop canopy
Maximum Operating Pressure	See label for specific nozzles and maximum operating pressure	xtendimaxapplicationrequirements.com	engeniataankmix.com	www.fexapanapplicationrequirements.dupont.com
Minimum Wind Speed	None	3 mph	3 mph	3 mph
Maximum Wind Speed	15 mph	10 mph	10 mph	10 mph
Wind Speed Restrictions	<b>DO NOT</b> apply during temperature inversion	<b>DO NOT</b> apply when wind is blowing in the direction of an adjacent sensitive crop <b>DO NOT</b> apply during temperature inversion	<b>DO NOT</b> apply when wind is blowing in the direction of an adjacent sensitive crop <b>DO NOT</b> apply during temperature inversion	<b>DO NOT</b> apply when wind is blowing in the direction of an adjacent sensitive crop <b>DO NOT</b> apply during temperature inversion
Buffer Requirements	30-foot downwind buffer from sensitive area	22 fl oz/A - 110-foot downwind buffer from sensitive area 44 fl oz/A - 220-foot downwind buffer from sensitive area	110-foot downwind buffer from sensitive area	22 fl oz/A - 110-foot downwind buffer from sensitive area 44 fl oz/A - 220-foot downwind buffer from sensitive area
Time of Day	None	<b>DO NOT</b> apply between sunset and sunrise	<b>DO NOT</b> apply between sunset and sunrise	<b>DO NOT</b> apply between sunset and sunrise
Aerial Applications	<b>DO NOT</b> apply aerially	<b>DO NOT</b> apply aerially	<b>DO NOT</b> apply aerially	<b>DO NOT</b> apply aerially
Record-keeping Requirements	General Use Herbicide	Consult label for specific record-keeping requirements	Consult label for specific record-keeping requirements	Consult label for specific record-keeping requirements
County Restrictions	Jackson and Tillman	Greer, Harmon, Jackson, Kiowa and Tillman	Greer, Harmon, Jackson, Kiowa and Tillman	Greer, Harmon, Jackson, Kiowa and Tillman

<sup>a</sup> Enlist Duo, a premix of 2,4-D choline salt and glyphosate will follow the same restrictions as Enlist One.

Read and follow all label requirements. Consult label for specific and additional requirements and for sprayer clean-out recommendations.

The pesticide information presented in this publication was current with federal and state regulations at the time of printing. The user is responsible for determining that the intended use is consistent with the label of the product being used. Use pesticides safely. Read and follow label directions. The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Cooperative Extension Service is implied.

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