

# ENGENIA® APPLICATION UPDATES

## Qualified Nozzles for Engenia

**How to use this chart:**

- 1) Select your desired spray tip type.
- 2) Select your desired spraying pressure.
- 3) Select your application rate (15 GPA or 20 GPA).
- 4) Select your desired speed.
- 5) Choose your spray capacity.

Nozzle Type	Spray Angle and Capacity	Pressure Range (PSI)																			
		15 PSI		20 PSI		30 PSI		40 PSI		50 PSI		60 PSI		70 PSI		80 PSI		90 PSI		100 PSI	
		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)		Speed (MPH)	
		15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA	15 GPA	20 GPA
	1/4TTJ04					6.9	5.2	7.9	5.9	8.9	6.7	9.7	7.3	10.5	7.9						
	1/4TTJ08					13.7	10.2														
	6502E					3.4	2.5	4.0	3.0	4.4	3.3										
	65025E					4.4	3.3	5.0	3.7												
	6503E					5.1	3.9	5.9	4.5	6.7	5.0										
	6504E					6.9	5.2	7.9	5.9	8.9	6.7										
	6505E					8.5	6.4	9.9	7.4	11.1	8.3										
	8003					10.3	7.7	11.9	8.9	13.3	9.9	14.5	10.8	11.7							
	8004					5.1	3.9	5.9	4.5	6.7	5.0										
	8005					6.9	5.2	7.9	5.9	8.9	6.7										
	8006					8.5	6.4	9.9	7.4	11.1	8.3										
	110025			3.8	2.8	4.4	3.3	5.0	3.7	5.3	4.0	5.7	4.3	6.1	4.6	6.5	4.9	6.7	5.0	6.9	5.2
	11003			4.6	3.4	5.3	4.0	5.9	4.5	6.5	4.9	6.9	5.2	7.3	5.5						
	11004			6.1	4.6	7.1	5.3	7.9	5.9	8.5	6.4	9.3	7.0	9.7	7.3						
	11005			7.5	5.6	8.9	6.7	9.9	7.4	10.9	8.2	11.7	8.8	12.5	9.4						
	11006			8.9	6.7	10.5	7.9	11.9	8.9	13.1	9.8	14.1	10.5	15.0	11.3						
	11008			11.9	8.9	14.1	10.5			13.1	9.8	14.1	10.5	15.0	11.3						
	110025	3.0	2.2	3.6	2.7	4.4	3.3	5.0	3.7	5.5	4.2	6.1	4.6	6.5	4.9	6.9	5.2	7.5	5.6	7.9	5.9
	11003	3.6	2.7	4.2	3.1	5.1	3.9	5.9	4.5	6.7	5.0	7.3	5.5	7.9	5.9	8.3	6.2	8.9	6.7	9.3	7.0
	11004	4.8	3.6	5.5	4.2	6.9	5.2	7.9	5.9	8.9	6.7	9.7	7.3	10.5	7.9	11.3	8.5	11.9	8.9	12.5	9.4
	11005	6.1	4.6	6.9	5.2	8.5	6.4	9.9	7.4	11.1	8.3	12.1	9.1	13.1	9.8	14.1	10.5	14.9	11.1		11.7
	11006	7.3	5.5	8.3	6.2	10.3	7.7	11.9	8.9	13.3	9.9	14.5	10.8		11.7		12.6		13.4		14.1
	11008	9.7	7.3	11.3	8.5	13.7	10.2			13.2		14.6									
	11003			4.2	3.1	5.1	3.9	5.9	4.5	6.7	5.0	7.3	5.5	7.9	5.9	8.3	6.2	8.9	6.7	9.3	7.0
	11004			5.5	4.2	6.9	5.2	7.9	5.9	8.9	6.7	9.7	7.3	10.5	7.9	11.3	8.5	11.9	8.9	12.5	9.4
	11005			6.9	5.2	8.5	6.4	9.9	7.4	11.1	8.3	12.1	9.1	13.1	9.8						
				8.3	6.2	10.3	7.7	11.9	8.9	13.3	9.9	14.5	10.8								

Note: Speeds in chart are based on 20 inch nozzle spacing and a minimum of 15 GPA. Maximum suggested speed of 15 mph. Always consult the chemical label.

Learn more: [www.teejet.com/engenia](http://www.teejet.com/engenia)



# 2023

## Engenia® Herbicide Checklist for Dicamba-Tolerant Cotton



### Buffering agent:

Required to use a pH buffering adjuvant, like AEGOS™ or Sentris™ Buffering Technology with every application of Engenia herbicide. Refer to [www.engeniatankmix.com](http://www.engeniatankmix.com) for a list and use rates of approved pH buffering adjuvant.



### Application:

- DO NOT apply Engenia herbicide after July 30th, 2023
- Limited to two POST over-the-top applications. Engenia herbicide can also be used pre-emergence, but annual sequential use rate limit of 51.2 fl oz/A remains.
- Applicators must check State Labels ([engeniaherbicide.com](http://engeniaherbicide.com)) for additional state restrictions no more than 7 days before application.



### Nozzles:

See [www.engeniatankmix.com](http://www.engeniatankmix.com) for a list of approved nozzles.



### Approved tank-mixes:

See [www.engeniatankmix.com](http://www.engeniatankmix.com)



### Sensitive crops and residential areas:

DO NOT spray if wind is blowing toward adjacent sensitive crops (like non-dicamba-tolerant soybeans) or residential areas.



### Sensitive areas:

Leave 240' downwind buffer to sensitive areas (non-residential, uncultivated areas or bodies of water).



### Sensitive areas in endangered species counties:

Leave 310' downwind buffer in counties with endangered species with 57' buffer on all other sides of the field.

Consult [www.epa.gov/espp](http://www.epa.gov/espp) or call 1-844-447-3813 and follow any county specific dicamba use restrictions for corresponding endangered species.



### Wind speed:

Only spray when wind is between 3–10 MPH.



**Avoid inversions:** DO NOT apply when temperature inversions exist at the field level. Temperature inversions occur when temperatures increase with altitude. Presence is often indicated by ground fog, dust hanging over road, smoke not rising, or presence of dew or frost.

**Daytime spraying:** Only apply one hour after sunrise until two hours before sunset.



### Ground speed:

≤ 15 mph



### Certified applicator record keeping:

Create records within 72 hours

- Applicator, product and planting date information
- Application parameters
- pH buffer adjuvant and use rate
- Tank mixes
- Spray conditions
- Tank cleanout
- Buffer zone determination



### Spray volume:

≥ 15 GPA



### Boom height:

≤ 24 inches above target

EVERY application of Engenia herbicide requires the use of an approved pH buffering adjuvant.

This checklist is not a substitute for the product label. Always read and follow label directions. Additional state restrictions may apply. Engenia Herbicide is a US EPA Restricted Use Pesticide.



Scan this QR Code for more information about Engenia Herbicide.

To learn more about Engenia Herbicide, visit [EngeniaStewardship.com](http://EngeniaStewardship.com).

## Engenia®

Herbicide

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# 2023

## Engenia® Herbicide Checklist for Dicamba-Tolerant Soybean



### Buffering agent:

Required to use a pH buffering adjuvant, like AEGOS™ or Sentris™ Buffering Technology with every application of Engenia herbicide. Refer to [www.engeniatankmix.com](http://www.engeniatankmix.com) for a list and use rates of approved pH buffering adjuvant.



### Application:

- DO NOT apply Engenia herbicide after June 30th, 2023
- Limited to two POST over-the-top applications. Engenia herbicide can also be used pre-emergence, but annual sequential use rate limit of 51.2 fl oz/A remains.
- Applicators must check State Labels ([engeniaherbicide.com](http://engeniaherbicide.com)) for additional state restrictions no more than 7 days before application.



### Nozzles:

See [www.engeniatankmix.com](http://www.engeniatankmix.com) for a list of approved nozzles.



### Approved tank-mixes:

See [www.engeniatankmix.com](http://www.engeniatankmix.com)



### Sensitive crops and residential areas:

DO NOT spray if wind is blowing toward adjacent sensitive crops (like non-dicamba-tolerant soybeans) or residential areas.



### Sensitive areas:

Leave 240' downwind buffer to sensitive areas (non-residential, uncultivated areas or bodies of water).



### Sensitive areas in endangered species counties:

Leave 310' downwind buffer in counties with endangered species with 57' buffer on all other sides of the field.

Consult [www.epa.gov/espp](http://www.epa.gov/espp) or call 1-844-447-3813 and follow any county specific dicamba use restrictions for corresponding endangered species.



### Wind speed:

Only spray when wind is between 3–10 MPH.



**Avoid inversions:** DO NOT apply when temperature inversions exist at the field level. Temperature inversions occur when temperatures increase with altitude. Presence is often indicated by ground fog, dust hanging over road, smoke not rising, or presence of dew or frost.

**Daytime spraying:** Only apply one hour after sunrise until two hours before sunset.



### Ground speed:

≤ 15 mph



### Certified applicator record keeping:

Create records within 72 hours

- Applicator, product and planting date information
- Application parameters
- pH buffer adjuvant and use rate
- Tank mixes
- Spray conditions
- Tank cleanout
- Buffer zone determination



### Spray volume:

≥ 15 GPA



### Boom height:

≤ 24 inches above target

EVERY application of Engenia herbicide requires the use of an approved pH buffering adjuvant.

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