



Nozzles for BASF's Engenia® Herbicide

Greenleaf Technologies has four nozzles approved for BASF's Engenia® herbicide, our TDXL11003-D, TDXL11004-D, TDXL11005-D and TDXL11006-D. Only the D version of the TDXL in approved sizes may be used with Engenia® herbicide.





The TDXL11004-D and TDXL11005-D nozzles require an approved DRA(drift reduction adjuvant) for use with Engenia®. Visit www.EngeniaTankMix.com for more information about requirements and recommendations.

The BASF Engenia® label requires a minimum of 10 GPA, but BASF encourages 15 GPA for maximum coverage. Best pattern distribution with the approved nozzles is achieved with pressures of 40 psi and above.

Only these TDXL-D nozzles are approved for BASF's Engenia® herbicide.

The TDXL11003 and TADF03 can be converted to the TDXL11003-D using the TCP11008 and DIF4 diffuser.
 The TDXL11004 and TADF04 can be converted to the TDXL11004-D using the TCP11010 and DIF4 diffuser.
 The TDXL11005 and TADF05 can be converted to the TDXL11005-D using the TCP11012 and DIF4 diffuser.
 The TDXL11006 and TADF06 can be converted to the TDXL11006-D using the TCP11016 and DIF4 diffuser.

20" Engenia® Tabulation Chart

	Liquid Pressure PSI	Droplet Size ASABE	Nozzle Capacity GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING										
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	15 MPH
 TDXL11003-D	20	UC	0.21	15.8	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.3	4.8	4.2
	30	UC	0.26	19.3	15.4	12.9	11.0	9.6	8.6	7.7	7.0	6.4	5.9	5.1
	40	UC	0.30	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	6.9	5.9
	50	XC	0.34	24.9	19.9	16.6	14.2	12.5	11.1	10.0	9.1	8.3	7.7	6.6
	60	XC	0.37	27.3	21.8	18.2	15.6	13.6	12.1	10.9	9.9	9.1	8.4	7.3
	70	XC	0.40	29.5	23.6	19.6	16.8	14.7	13.1	11.8	10.7	9.8	9.1	7.9
	80	VC	0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	8.4
90	VC	0.45	33.4	26.7	22.3	19.1	16.7	14.9	13.4	12.2	11.1	10.3	8.9	
 TDXL11004-D	20	UC	0.28	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	5.6
	30	UC	0.35	25.7	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	6.9
	40	UC	0.40	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	7.9
	50	UC	0.45	33.2	26.6	22.1	19.0	16.6	14.8	13.3	12.1	11.1	10.2	8.9
	60	XC	0.49	36.4	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	9.7
	70	XC	0.53	39.3	31.4	26.2	22.5	19.6	17.5	15.7	14.3	13.1	12.1	10.5
	80	XC	0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	11.2
90	XC	0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	11.9	
 TDXL11005-D	20	UC	0.35	26.3	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.8	8.1	7.0
	30	UC	0.43	32.2	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	8.6
	40	UC	0.50	37.1	29.7	24.8	21.2	18.6	16.5	14.9	13.5	12.4	11.4	9.9
	50	UC	0.56	41.5	33.2	27.7	23.7	20.8	18.4	16.6	15.1	13.8	12.8	11.1
	60	UC	0.61	45.5	36.4	30.3	26.0	22.7	20.2	18.2	16.5	15.2	14.0	12.1
	70	UC	0.66	49.1	39.3	32.7	28.1	24.6	21.8	19.6	17.9	16.4	15.1	13.1
	80	XC	0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	14.0
90	XC	0.75	55.7	44.6	37.1	31.8	27.8	24.8	22.3	20.3	18.6	17.1	14.9	
 TDXL11006-D	20	UC	0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	8.4
	30	UC	0.52	38.6	30.9	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	10.3
	40	UC	0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	11.9
	50	UC	0.67	49.8	39.8	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	13.3
	60	UC	0.73	54.6	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	14.5
	70	UC	0.79	58.9	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	15.7
	80	UC	0.85	63.0	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	16.8
90	UC	0.90	66.8	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	17.8	

Yellow highlighting represents operating range of each nozzle for Engenia®

Engenia® is a US EPA Restricted Use Pesticide.
 Always read and follow label directions. Additional state restrictions may apply.
 Engenia® is a registered trademark of BASF Corporation.

ASABE droplet size based on University of Nebraska-Lincoln wind tunnel testing.