



# LIBERTY® 280 AND LIBERTY® ULTRA APPLICATION UPDATES

## Spray Tip Recommendations



**TT  
TURBO TEEJET®**



**TTJ60  
TURBO TWINJET®**



**AIXR  
AIR INDUCTION XR**



**AITTJ60 AIR INDUCTION  
TURBO TWINJET®**

### Spray Tip Features:

- Strongly recommended for Liberty herbicide applications.
- TT, TTJ60, and AITTJ60 spray tips are approved for use with PWM systems.
- TT\*: Produces coarse (C) to medium (M) droplets across a wide pressure range (15-90 PSI) with a 15-degree attack angle for improved canopy penetration.
- TTJ60: Produces coarse (C) to medium (M) droplets across a wide pressure range (20-90 PSI). The Turbo TwinJet® design delivers superior coverage and reduces spray drift.
- AIXR\*: Engineered for exceptional drift control and coverage, ideal for minimizing drift while maintaining optimal spray patterns, even at lower pressures. Produces ultra coarse (UC) to medium (M) droplets across a wide pressure range (15-90 PSI).
- AITTJ60: Features air induction TwinJet® spray technology, producing ultra coarse (UC) to coarse (C) droplets across a wide pressure range (20-90 PSI). Offers superior coverage and drift reduction, ensuring optimal crop protection and PWM approval.
- For detailed application requirements, visit: BASF Liberty and Liberty ULTRA Herbicide.
  - <https://agriculture.basf.us/crop-protection/products/liberty.html>
  - <https://agriculture.basf.us/crop-protection/products/herbicides/liberty-ultra.html>

### Application Requirements:

- Non-selective herbicide for control of grasses and broadleaf weeds in Liberty tolerant corn, soybeans, cotton, and canola.
- Apply when weeds are smaller than 3" tall.
- Use a ground speed of 15 MPH or less.
- Spray Water Volume: Minimum 15 GPA; 20 GPA preferred.
- For Liberty or Liberty ULTRA solo applications, use spray tips such as TT or TTJ60 to achieve medium (M) to coarse (C) droplet sizes for optimal coverage and performance.
- For tank mixtures of Liberty and Enlist One® or Liberty ULTRA and Enlist One\*\* herbicides, use air-induction spray tips such as AIXR to minimize spray drift. When operating PWM systems, opt for AITTJ60 spray tips for optimal performance. The addition of 1.5-3 lbs/acre AMS is recommended.

Liberty and Liberty ULTRA** recommended spray tips		
Sprayers with constant flow systems	Liberty or Liberty ULTRA	TT or TTJ60
	Liberty or Liberty ULTRA + Enlist One	AIXR
Sprayers with PWM systems	Liberty or Liberty ULTRA	TT or TTJ60
	Liberty or Liberty ULTRA + Enlist One	AITTJ60

\*TT and AIXR spray tips are new additions for 2025 to the list of Liberty recommended spray tips.

\*\* Liberty ULTRA + Enlist One tank mix requires an approved MSO or HSMOC product. Please check the website <https://www.enlist.com/en/herbicides/enlist-one.html> for the most recent updates.

**Liberty®**  
Herbicide

**Liberty® ULTRA**  
Herbicide – Powered by **Glu-L®** Technology

**BASF**  
We create chemistry

## Droplet Size and Application Rate Information

TIP NO. (strainer screen size)	PSI	TT 15-90 PSI	TTJ60 20-90 PSI	AIXR 15-90 PSI	AITTJ60 20-90 PSI	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	20"									
								GPA									
								4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH			
025 VIOLET (100)	20	VC	VC	VC	XC	0.18	23	-	-	-	-	-	-	-	-	-	-
	30	C	C	VC	VC	0.22	28	16.3	-	-	-	-	-	-	-	-	-
	40	M	M	C	VC	0.25	32	18.6	14.9	-	-	-	-	-	-	-	-
	50	M	M	M	VC	0.28	36	21	16.6	-	-	-	-	-	-	-	-
	60	M	M	M	C	0.31	40	23	18.4	15.3	-	-	-	-	-	-	-
	70	M	M	M	C	0.33	42	25	19.6	16.3	-	-	-	-	-	-	-
	80	F	M	M	C	0.35	45	26	21	17.3	-	-	-	-	-	-	-
	90	F	M	M	C	0.38	49	28	23	18.8	-	-	-	-	-	-	-
	03 BLUE (100)	20	VC	VC	VC	XC	0.21	27	15.6	-	-	-	-	-	-	-	-
30		C	C	VC	XC	0.26	33	19.3	15.4	-	-	-	-	-	-	-	-
40		M	C	C	VC	0.30	38	22	17.8	14.9	-	-	-	-	-	-	-
50		M	M	C	VC	0.34	44	25	20	16.8	-	-	-	-	-	-	-
60		M	M	M	C	0.37	47	27	22	18.3	-	-	-	-	-	-	-
70		M	M	M	C	0.40	51	30	24	19.8	14.9	-	-	-	-	-	-
80		F	M	M	C	0.42	54	31	25	21	15.6	-	-	-	-	-	-
90		F	M	M	C	0.45	58	33	27	22	16.7	-	-	-	-	-	-
04 RED (50)		20	VC	VC	VC	XC	0.28	36	21	16.6	-	-	-	-	-	-	-
	30	C	C	VC	XC	0.35	45	26	21	17.3	-	-	-	-	-	-	-
	40	M	C	C	VC	0.40	51	30	24	19.8	14.9	-	-	-	-	-	-
	50	M	M	C	VC	0.45	58	33	27	22	16.7	-	-	-	-	-	-
	60	M	M	C	C	0.49	63	36	29	24	18.2	14.6	-	-	-	-	-
	70	M	M	M	C	0.53	68	39	31	26	19.7	15.7	-	-	-	-	-
	80	F	M	M	C	0.57	73	42	34	28	21	16.9	-	-	-	-	-
	90	F	M	M	C	0.60	77	45	36	30	22	17.8	14.9	-	-	-	-
	05 BROWN (50)	20	VC	VC	XC	UC	0.35	45	26	21	17.3	-	-	-	-	-	-
30		C	C	VC	XC	0.43	55	32	26	21	16.0	-	-	-	-	-	-
40		M	C	VC	VC	0.50	64	37	30	25	18.6	14.9	-	-	-	-	-
50		M	M	C	VC	0.56	72	42	33	28	21	16.6	-	-	-	-	-
60		M	M	C	VC	0.61	78	45	36	30	23	18.1	15.1	-	-	-	-
70		M	M	C	C	0.66	84	49	39	33	25	19.6	16.3	-	-	-	-
80		F	M	M	C	0.71	91	53	42	35	26	21	17.6	-	-	-	-
90		F	M	M	C	0.75	96	56	45	37	28	22	18.6	14.9	-	-	-
06 GRAY (50)		20	VC	VC	XC	UC	0.42	54	31	25	21	15.6	-	-	-	-	-
	30	C	C	VC	XC	0.52	67	39	31	26	19.3	15.4	-	-	-	-	-
	40	M	C	VC	VC	0.60	77	45	36	30	22	17.8	14.9	-	-	-	-
	50	M	M	VC	VC	0.67	86	50	40	33	25	19.9	16.6	-	-	-	-
	60	M	M	C	VC	0.73	93	54	43	36	27	22	18.1	-	-	-	-
	70	M	M	C	C	0.79	101	59	47	39	29	23	19.6	15.6	-	-	-
	80	F	M	C	C	0.85	109	63	50	42	32	25	21	16.8	-	-	-
	90	F	M	C	C	0.90	115	67	53	45	33	27	22	17.8	-	-	-
	08 WHITE (50)	20	VC	VC	XC	UC	0.57	73	42	34	28	21	16.9	-	-	-	-
30		VC	C	XC	XC	0.69	88	51	41	34	26	20	17.1	-	-	-	-
40		M	C	VC	XC	0.80	102	59	48	40	30	24	19.8	15.8	-	-	-
50		M	M	VC	XC	0.89	114	66	53	44	33	26	22	17.6	-	-	-
60		M	M	VC	VC	0.98	125	73	58	49	36	29	24	19.4	-	-	-
70		M	M	C	VC	1.06	136	79	63	52	39	31	26	21	-	-	-
80		M	M	C	VC	1.13	145	84	67	56	42	34	28	22	-	-	-
90		F	M	C	VC	1.20	154	89	71	59	45	36	30	24	-	-	-
10 LIGHT BLUE		20	VC	VC	UC	UC	0.71	91	53	42	35	26	21	17.6	-	-	-
	30	VC	C	XC	XC	0.87	111	65	52	43	32	26	22	17.2	-	-	-
	40	VC	C	VC	XC	1.00	128	74	59	50	37	30	25	19.8	-	-	-
	50	C	C	VC	XC	1.12	143	83	67	55	42	33	28	22	-	-	-
	60	C	M	VC	VC	1.22	156	91	72	60	45	36	30	24	-	-	-
	70	C	M	VC	VC	1.32	169	98	78	65	49	39	33	26	-	-	-
	80	M	M	C	VC	1.41	180	105	84	70	52	42	35	28	-	-	-
	90	M	M	C	VC	1.50	192	111	89	74	56	45	37	30	-	-	-

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).  
Droplet size classifications are in accordance with ISO Standard 25358 at the date of release.  
Classifications are subject to change.

For more information on applications with PWM systems: [https://www.teejet.com/-/media/dam/agricultural/usa/sales-material/product-market-bulletin/li-tj212-r5\\_pwm\\_tips.pdf](https://www.teejet.com/-/media/dam/agricultural/usa/sales-material/product-market-bulletin/li-tj212-r5_pwm_tips.pdf)



## How To Order

PART NUMBER	DESCRIPTION
AITTJ60-11004VP	AITTJ60 Tip
AITTJ60-11004VP-CE	AITTJ60 Tip with Quick TeeJet® Cap and Gasket
114443A-*-CELR (025-06) 114502A-*-CELR (08-10)	TeeJet Cap for AITTJ60 with Gasket (EPDM)
TTJ60-11003VP	TTJ60 Tip
TTJ60-11003VP-CE	TTJ60 Tip with Quick TeeJet Cap and Gasket
114441A-*-CELR	TeeJet Cap for TTJ60 with Gasket (EPDM)
AIXR11005VP	AIXR TIP
AIXR11005VP-CE	AIXR Tip with Quick TeeJet Cap and Gasket
114441A-*-CELR (025-06) 114443A-*-CELR (08-10)	TeeJet Cap for AIXR with Gasket (EPDM)
TT11006-VP	TT TIP
TT11006VP-CE	TT Tip with Quick TeeJet Cap and Gasket
114441A-*-CELR (025-08) 114502A-*-CELR (10)	TeeJet Cap for TT with Gasket (EPDM)