

Asian Soybean Rust Solutions

Easy, simple, effective, and economical solutions for Asian Soybean Rust fungicide applications

- Lechler's worldwide experience in dealing with Asian Soybean Rust across several continents is demonstrated by the most comprehensive product offering available in the industry to tackle the application challenges that confront soybean growers.
- The proper application of fungicides to combat Asian Soybean Rust is determined by multiple factors. Foremost are the fungicide manufacturer's label directions and recommendations, which must be strictly followed. Canopy penetration, foliar coverage, application rates, droplet size, spray pressure, ground speed, and drift control are key factors to consider for successfully controlling the fungus.
- Rust typically first appears at the bottom of the plant and then works its way up. Higher pressure and fine-medium sized droplets have proven to be an extremely effective way to ensure good coverage at the mid and lower regions of the canopy where rust most likely will first appear.
- Lechler offers a wide selection of choices to cover all of the variables when making a nozzle selection for Asian Soybean Rust Fungicide applications. Check the corresponding charts to determine the best nozzle assembly for your required application rate, ground speed, application pressure, and droplet size. Shaded areas show recommended application rates of 15-20 gallons per acre.



TwinSprayCap™

Versatile and easy to use, Lechler's TwinSprayCap provides unlimited options for coverage, spray volume, and droplet size. The back-to-back positioning of spray tips at a 30° angle aids canopy penetration while optimizing coverage. ISO compatibility ensures that the TwinSprayCap will combine with most currently available tips and nozzle bodies for an easy, simple retrofit. It features a compact, easy-to-assemble, 2-piece design – unlike others' larger, more complex caps.



Cap only. See pages 14-16 for complete assemblies.

Item	Part No.	List Price
TwinSprayCap	092.163.56.00000	\$5.49
Hardi TwinSprayCap	092.163.56.01000	6.49

DF Stainless Steel Twin Fans

The Lechler DF Twin Flat Spray Nozzle is made from stainless steel. It produces twin 120° spray angles in a back-to-back orientation. It produces good foliar coverage at **low-pressure (30-40 psi)** ranges and is a good, low-cost alternative for Asian Soybean Rust Fungicide applications when higher-pressure ranges are not an option. It performs best at ground speeds of 4-5 mph, and is used with standard 10mm caps included.



List Price: **\$8.34**

Promotional Price: **\$7.49**

Application Pressure	Total Spray	Droplet Size	Part No.	Gallons/Acre @ mph				
				4	5	6	7	8
30 psi	03	F	DF 120 03	19.3	15.4	12.9	11	9.7
	04	F	DF 120 04	26.0	20.8	17.3	14.9	13.0
	05	F	DF 120 05	31.9	25.5	21.3	18.2	16.0
	06	F	DF 120 06	38.6	30.9	25.7	22.1	19.3
40 psi	03	F	DF 120 03	19.3	17.8	14.9	12.7	11.1
	04	F	DF 120 04	26.0	23.8	19.8	17.0	14.9
	05	F	DF 120 05	31.9	29.7	24.8	21.2	18.5

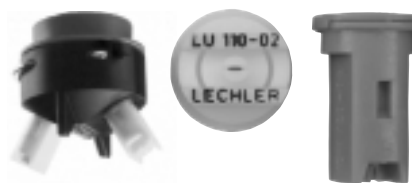


Asian Soybean Rust Solutions

Twin-Air™ Low Pressure

The Lechler Twin-Air Low Pressure fits best at **low and mid-pressure ranges (30-50 psi)**. This assembly features the TwinSprayCap with a low profile IDK air induction spray tip in the front position and an extended range LU spray tip in the rear position. This configuration creates uniform coverage with a wide spectrum of fine and medium sized droplets and allows for excellent canopy penetration while maintaining drift control.

Shipped completely assembled



List Price: \$12.37

Promotional Price: \$11.47

All include Cap Part No. 09216356A0000

Application Pressure	Total Spray	Droplet Size	Part No.	Gallons/Acre @ mph								Spray Tips	
				5	6	7	8	9	10	11	12	Rear	Front
30 psi	03	M	TA LO 03	15.4	12.9	11.0	9.7	8.6	7.7	7.1	6.4	LU Yellow 02	IDK Orange 01
	035	M	TA LO 035	18.1	15.1	13.0	11.4	10.6	9.1	8.3	7.5	LU Yellow 02	IDK Green 015
	04	M	TA LO 04	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.6	LU Blue 03	IDK Orange 01
	045	M	TA LO 045	23.0	19.3	17.6	14.5	12.9	11.6	10.7	9.7	LU Blue 03	IDK Green 015
	05	M	TA LO 05	25.5	21.3	18.2	16.0	14.2	12.8	11.8	10.7	LU Red 04	IDK Orange 01
	055	M	TA LO 055	28.2	23.5	20.2	17.7	15.7	14.1	13.0	11.8	LU Red 04	IDK Green 015
	06	M	TA LO 06	30.9	25.7	22.1	19.3	17.2	15.4	14.2	12.9	LU Red 04	IDK Yellow 02
	065	C	TA LO 065	33.2	27.7	23.7	20.8	18.5	16.7	15.4	14.0	LU Red 04	IDK Violet 025
40 psi	07	C	TA LO 07	35.9	30.0	25.7	22.5	19.9	17.9	16.5	15.0	LU Brown 05	IDK Yellow 02
	03	M	TA LO 03	17.8	14.9	12.7	11.1	9.9	8.9	8.2	7.4	LU Yellow 02	IDK Orange 01
	035	M	TA LO 035	20.8	17.3	14.9	13.0	11.6	10.4	9.6	8.7	LU Yellow 02	IDK Green 015
	04	M	TA LO 04	23.8	19.8	17.0	14.9	13.2	11.9	10.9	9.9	LU Blue 03	IDK Orange 01
	045	M	TA LO 045	26.8	22.3	19.1	16.7	14.9	13.4	12.3	11.2	LU Blue 03	IDK Green 015
	05	M	TA LO 05	29.7	24.8	21.2	18.5	16.5	14.9	13.7	12.4	LU Red 04	IDK Orange 01
	055	M	TA LO 055	32.7	27.3	23.4	20.4	18.2	16.5	15.1	13.7	LU Red 04	IDK Green 015
	06	M	TA LO 06	35.6	29.7	25.5	22.3	19.8	17.8	16.4	14.9	LU Red 04	IDK Yellow 02
50 psi	065	M	TA LO 065	38.6	32.2	27.4	24.2	21.5	19.1	16.7	14.3	LU Red 04	IDK Violet 025
	07	M	TA LO 07	41.6	34.7	29.2	26.0	23.1	20.3	17.0	13.7	LU Brown 05	IDK Yellow 02
	03	M	TA LO 03	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4	LU Yellow 02	IDK Orange 01
	035	M	TA LO 035	23.5	19.4	16.8	14.7	13.1	11.8	10.8	9.8	LU Yellow 02	IDK Green 015
	04	M	TA LO 04	26.7	22.3	19.1	16.7	14.9	13.4	12.3	11.1	LU Blue 03	IDK Orange 01
	045	M	TA LO 045	30.0	25.0	21.5	18.8	16.7	15.0	13.8	12.5	LU Blue 03	IDK Green 015
	05	M	TA LO 05	33.3	27.7	23.8	20.8	18.5	16.6	15.3	13.9	LU Red 04	IDK Orange 01
	055	M	TA LO 055	36.3	30.8	26.1	22.9	20.3	18.3	16.8	15.3	LU Red 04	IDK Green 015
06	M	TA LO 06	39.8	33.2	28.4	24.9	22.1	19.9	18.3	16.6	LU Red 04	IDK Yellow 02	
065	M	TA LO 065	43.2	35.2	30.8	26.9	24.0	21.6	19.8	18.0	LU Red 04	IDK Violet 025	
07	M	TA LO 07	46.5	37.7	33.2	28.9	25.8	23.2	21.3	19.3	LU Brown 05	IDK Yellow 02	



Asian Soybean Rust Solutions

Twin-Air™

The Lechler Twin-Air is a complete assembly that features the TwinSprayCap with a low profile air induction IDK spray tip in both the front and back positions. It is ideally suited for both **mid and high pressure ranges (50-90 psi)**. The Twin-Air creates an ideal balance between uniform coverage, canopy penetration, and drift control. Because air induction droplets have a higher mass than those produced by traditional flat fan spray tips, they maintain their momentum longer after exiting the orifice. This results in better canopy penetration. The method of using air induction technology coupled with higher application pressures is well-tested world-wide and properly addresses the key factors in successful applications of fungicides to combat Asian Soybean Rust: excellent canopy penetration, high foliar coverage at the lower and mid range positions, and effective drift control.

Shipped completely assembled



List Price: \$15.27

Promotional Price: \$13.97

All include Cap Part No. 09216356A0000

Application Pressure	Total Spray	Droplet Size	Part No.	Gallons/Acre @ mph									Spray Tips	
				5	6	7	8	9	10	11	12	14	Rear	Front
50 psi	025	M	TA 025	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9	5.9	IDK Orange 01	IDK Green 015
	03	M	TA 03	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.2	IDK Green 015	IDK Green 015
	035	M	TA 035	23.5	19.4	16.8	14.7	13.1	11.8	10.8	9.8	8.4	IDK Green 015	IDK Yellow 02
	04	C	TA 04	26.7	22.3	19.1	16.7	14.9	13.4	12.3	11.1	9.5	IDK Yellow 02	IDK Yellow 02
	045	C	TA 045	30.0	25.0	21.5	18.8	16.7	15.0	13.8	12.5	10.7	IDK Yellow 02	IDK Violet 025
	05	C	TA 05	33.3	27.7	23.8	20.8	18.5	16.6	15.3	13.9	11.9	IDK Violet 025	IDK Violet 025
	055	C	TA 055	36.3	30.8	26.1	22.9	20.3	18.3	16.8	15.3	13.1	IDK Violet 025	IDK Blue 03
60 psi	06	C	TA 06	39.8	33.2	28.4	24.9	22.1	19.9	18.3	16.6	14.2	IDK Blue 03	IDK Blue 03
	025	M	TA 025	18.4	15.3	13.2	11.5	10.2	9.2	8.5	7.7	6.6	IDK Orange 01	IDK Green 015
	03	M	TA 03	22.0	18.3	15.7	13.7	12.2	11.0	10.1	9.2	7.8	IDK Green 015	IDK Green 015
	035	M	TA 035	25.6	21.3	18.3	16.0	14.2	12.8	11.8	10.7	9.1	IDK Green 015	IDK Yellow 02
	04	C	TA 04	29.1	24.3	20.8	18.2	16.2	14.6	13.4	12.1	10.4	IDK Yellow 02	IDK Yellow 02
	045	C	TA 045	32.7	27.3	23.4	20.4	18.2	16.4	15.0	13.6	11.7	IDK Yellow 02	IDK Violet 025
	05	C	TA 05	36.2	30.2	25.9	22.6	20.1	18.1	16.6	15.1	12.9	IDK Violet 025	IDK Violet 025
70 psi	055	C	TA 055	40.0	33.2	28.5	25.2	22.1	19.9	18.4	16.6	14.7	IDK Violet 025	IDK Blue 03
	06	C	TA 06	43.4	36.1	31.0	27.1	24.1	21.7	19.9	18.1	15.5	IDK Blue 03	IDK Blue 03
	025	M	TA 025	19.6	16.3	14.0	12.3	10.9	9.8	9.0	8.2	7.0	IDK Orange 01	IDK Green 015
	03	M	TA 03	23.8	19.8	17.0	14.9	13.2	11.9	10.9	9.9	8.5	IDK Green 015	IDK Green 015
	035	M	TA 035	27.7	23.0	19.8	17.3	15.4	13.8	12.7	11.5	9.9	IDK Green 015	IDK Yellow 02
	04	M	TA 04	31.5	26.2	22.5	19.7	17.5	15.7	14.4	13.1	11.2	IDK Yellow 02	IDK Yellow 02
	045	M	TA 045	35.4	29.5	25.3	22.1	19.2	17.7	16.2	14.7	12.6	IDK Yellow 02	IDK Violet 025
80 psi	05	M	TA 05	39.2	32.7	28.0	24.5	21.8	19.6	18.0	16.3	14.0	IDK Violet 025	IDK Violet 025
	055	C	TA 055	43.1	35.9	30.8	26.9	24.0	21.6	19.8	18.0	15.4	IDK Violet 025	IDK Blue 03
	06	C	TA 06	46.9	39.1	33.5	29.3	26.1	23.5	21.6	19.6	16.8	IDK Blue 03	IDK Blue 03
	025	M	TA 025	20.8	17.9	14.9	13.0	11.6	10.4	9.6	8.7	7.4	IDK Orange 01	IDK Green 015
	03	M	TA 03	24.9	20.8	17.8	15.6	13.9	12.5	11.5	10.4	8.9	IDK Green 015	IDK Green 015
	035	M	TA 035	29.4	24.5	21.0	18.4	16.4	14.7	13.5	12.3	10.5	IDK Green 015	IDK Yellow 02
	04	M	TA 04	33.9	28.2	24.2	21.2	18.8	16.9	15.5	14.1	12.1	IDK Yellow 02	IDK Yellow 02
90 psi	045	M	TA 045	38.3	33.7	27.2	23.8	21.1	19.0	17.5	15.9	13.6	IDK Yellow 02	IDK Violet 025
	05	M	TA 05	42.2	35.1	30.1	26.4	23.4	21.1	19.4	17.6	15.1	IDK Violet 025	IDK Violet 025
	055	M	TA 055	46.1	38.6	33.1	29.0	25.8	23.1	21.3	19.3	16.5	IDK Violet 025	IDK Blue 03
	06	M	TA 06	50.0	42.0	36.1	31.6	28.1	25.2	23.1	21.0	18.0	IDK Blue 03	IDK Blue 03
	025	F	TA 025	22.6	18.8	16.1	14.1	12.5	11.3	10.4	9.4	8.1	IDK Orange 01	IDK Green 015
	03	M	TA 03	26.7	22.3	19.1	16.7	14.9	13.4	12.3	11.1	9.5	IDK Green 015	IDK Green 015
	035	M	TA 035	31.2	25.9	22.3	19.5	17.4	15.6	14.3	13.0	11.1	IDK Green 015	IDK Yellow 02
90 psi	04	M	TA 04	35.6	29.8	25.4	22.2	19.8	17.8	16.4	14.9	12.7	IDK Yellow 02	IDK Yellow 02
	045	M	TA 045	40.1	33.5	28.6	25.0	22.3	20.4	18.5	17.3	14.3	IDK Yellow 02	IDK Violet 025
	05	M	TA 05	44.6	37.1	31.8	27.8	24.8	22.3	20.5	18.6	15.9	IDK Violet 025	IDK Violet 025
	055	M	TA 055	48.8	41.1	35.4	30.4	27.4	24.7	22.5	20.3	17.6	IDK Violet 025	IDK Blue 03
06	M	TA 06	53.0	45.0	39.0	33.0	30.0	27.0	24.5	22.0	19.2	IDK Blue 03	IDK Blue 03	



Asian Soybean Rust Solutions

Twin-Air™ Ceramic

The Lechler Twin-Air Ceramic is a complete assembly that features the TwinSprayCap with an ID ceramic air induction spray tip in both the front and back positions. The use of ceramics provides extended wear and performance, making it ideally suited for **high-pressure applications (70-100 psi)**. The Twin-Air Ceramic utilizes the same dynamics as the Twin-Air and improves the performance and results in each area while adding extended wear. The Twin-Air Ceramic is the choice of custom applicators because of the ability to apply at even higher pressure ranges while offering the extended wear capabilities of ceramic technology that will carry through an entire spraying season.

List Price: \$28.07

Promotional Price: \$25.27

All include Cap Part No. 09216356A0000

Shipped completely assembled



Application Pressure	Total Spray	Droplet Size	Part No.	Gallons/Acre @ mph										Spray Tips	
				5	6	7	8	9	10	11	12	14	Rear	Front	
80 psi	025	M	TAC 025	20.8	17.9	14.9	13.0	11.6	10.4	9.6	8.7	7.4	ID Orange 01C	ID Green 015C	
	03	C	TAC 03	24.9	20.8	17.8	15.6	13.9	12.5	11.5	10.4	8.9	ID Green 015C	ID Green 015C	
	035	C	TAC 035	29.4	24.5	21.0	18.4	16.4	14.7	13.5	12.3	10.5	ID Green 015C	ID Yellow 02C	
	04	C	TAC 04	33.9	28.2	24.2	21.2	18.8	16.9	15.5	14.1	12.1	ID Yellow 02C	ID Yellow 02C	
	045	C	TAC 045	38.3	33.7	27.2	23.8	21.1	19.0	17.5	15.9	13.6	ID Yellow 02C	ID Violet 025C	
	05	C	TAC 05	42.2	35.1	30.1	26.4	23.4	21.1	19.4	17.6	15.1	ID Violet 025C	ID Violet 025C	
	055	C	TAC 055	46.1	38.6	33.1	29.0	25.8	23.1	21.3	19.3	16.5	ID Violet 025C	ID Blue 03C	
	06	C	TAC 06	50.0	42.0	36.1	31.6	28.1	25.2	23.1	21.0	18.0	ID Blue 03C	ID Blue 03C	
90 psi	025	M	TAC 025	22.6	18.8	16.1	14.1	12.5	11.3	10.4	9.4	8.1	ID Orange 01C	ID Green 015C	
	03	M	TAC 03	26.7	22.3	19.1	16.7	14.9	13.4	12.3	11.1	9.5	ID Green 015C	ID Green 015C	
	035	C	TAC 035	31.2	25.9	22.3	19.5	17.4	15.6	14.3	13.0	11.1	ID Green 015C	ID Yellow 02C	
	04	C	TAC 04	35.6	29.8	25.4	22.2	19.8	17.8	16.4	14.9	12.7	ID Yellow 02C	ID Yellow 02C	
	045	C	TAC 045	40.1	33.5	28.6	25.0	22.3	20.4	18.5	17.3	14.3	ID Yellow 02C	ID Violet 025C	
	05	C	TAC 05	44.6	37.1	31.8	27.8	24.8	22.3	20.5	18.6	15.9	ID Violet 025C	ID Violet 025C	
	055	C	TAC 055	48.8	41.1	35.4	30.4	27.4	24.7	22.5	20.3	17.6	ID Violet 025C	ID Blue 03C	
	06	C	TAC 06	53.0	45.0	39.0	33.0	30.0	27.0	24.5	22.0	19.2	ID Blue 03C	ID Blue 03C	
100 psi	025	M	TAC 025	23.8	19.8	17.0	14.9	13.2	11.9	10.9	9.9	8.5	ID Orange 01C	ID Green 015C	
	03	M	TAC 03	27.9	23.3	19.9	17.4	15.5	14.0	12.8	11.6	10.0	ID Green 015C	ID Green 015C	
	035	M	TAC 035	32.8	27.3	23.3	20.4	18.2	16.4	15.0	13.6	11.7	ID Green 015C	ID Yellow 02C	
	04	C	TAC 04	37.4	31.2	26.7	23.4	20.8	18.7	17.2	15.6	13.4	ID Yellow 02C	ID Yellow 02C	
	045	C	TAC 045	42.2	35.2	30.1	26.4	23.5	21.1	19.4	17.6	15.1	ID Yellow 02C	ID Violet 025C	
	05	C	TAC 05	46.9	39.1	33.5	29.3	26.1	23.5	21.6	19.6	16.8	ID Violet 025C	ID Violet 025C	
	055	C	TAC 055	41.4	43.1	37.2	32.2	29.2	26.0	23.9	21.8	18.4	ID Violet 025C	ID Blue 03C	
	06	C	TAC 06	56.0	47.0	41.0	35.0	32.5	30.1	27.1	23.9	20.0	ID Blue 03C	ID Blue 03C	