

Nozzle Color & Part Numbers	Nozzle Size	PSI	oz./min 1 Nozzle	GPH/ 1 Nozzle	GPH/ 2 Nozzle	GPH/ 3 Nozzle
Stainless Steel	0.05	15	3.8	1.8	3.6	5.4
Avail. for purchase - REQ 250 mesh filter screen. #800050 = 80° #1100050 = 110°		20	4.5	2.1	4.2	6.3
		25	5	2.4	4.8	7.2
		30	5.8	2.7	5.4	8.1
		35	6	2.9	5.7	8.6
Olive	0.067	15	5	2.4	4.8	7.2
#204 = 80° * #1100067 = 110°		20	6.5	3.0	6.0	9.0
		25	7	3.3	6.6	9.9
		30	7.5	3.6	7.2	10.8
		35	8	3.8	7.6	11.4
Orange	1	15	7.5	3.6	7.2	10.8
#205 = 80° #205-110 = 110° ** #110-01AM = 110°		20	9	4.2	8.4	12.6
		25	10	4.8	9.6	14.4
		30	11.5	5.4	10.8	16.2
		35	12	5.7	11.4	17.1
Green	1.5	15	11.5	5.4	10.8	16.2
#206 = 80° #206-110 = 110° ** #110-015AM = 110°		20	14	6.6	13.2	19.8
		25	15.5	7.2	14.4	21.6
		30	16.5	7.8	15.6	23.4
		35	18	8.4	16.8	25.2
Yellow	2	15	15.5	7.2	14.4	21.6
#207 = 80° #207-110 = 110° ** #110-02AM = 110°		20	18	8.4	16.8	25.2
		25	19.5	9.3	18.6	27.9
		30	21.5	10.2	20.4	30.6
		35	23.5	11.1	22.2	33.3
Blue	3	15	23	10.8	21.6	32.4
#208 = 80° #208-110 = 110° ** #110-03AM = 110°		20	26.5	12.6	25.2	37.8
		25	30	14.1	28.2	42.3
		30	33	15.6	31.2	46.8
		35	36	16.8	33.6	50.4
Red	4	15	31	14.4	28.8	43.2
#209 = 80° #209-110 = 110° ** #110-04AM = 110°		20	36	16.8	33.6	50.4
		25	39.5	18.6	37.2	55.8
		30	45	21.0	42.0	63.0
		35	47	22.2	44.4	66.6
Brown	5	15	38	18.0	36.0	54.0
#210 = 80° #210-110 = 110° ** #110-05AM = 110°		20	45	21.0	42.0	63.0
		25	50	23.4	46.8	70.2
		30	55	25.8	51.6	77.4
		35	59	27.6	55.2	82.8
Gray	6	15	46	21.6	43.2	64.8
#211 = 80° #211-110 = 110° ** #110-06AM = 110°		20	54	25.2	50.4	75.6
		25	59	27.6	55.2	82.8
		30	67	31.2	62.4	93.6
		35	72	33.6	67.2	100.8

**Application rates shown above are based on water,
always check your calibration for accurate application.**

* #1100067 is a stainless steel nozzle.

** Air Mix (AM) are low drift nozzles.

NOTE: For water soluble inoculant, to minimize risk of plugging, total application rate must be equal to (or greater than) 16 oz/min per nozzle - meaning you MUST use a yellow nozzle (size 2) or larger with a minimum of a 40 mesh filter screen.

Provided By:

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CALIBRATION INSTRUCTIONS

For Baling Hay:

1. Use the "Harvest Rate Chart" to determine your harvest rate in Tons per Hour (TPH).
2. Using your product label, determine your Product Application Rate (PAR) applied per ton (pounds or gallons).
3. Multiply the PAR X TPH.
*This answer will provide your PAR in pounds or gallons per hour.
NOTE: To convert pounds to gallons, divide total pounds by pounds per gallon of your product.
4. Using the chart on the reverse side, choose the nozzles and pressure setting to achieve the proper application rate.
NOTE: If your application rate falls between 2 pressure settings, always use the higher setting.

Example:

Gallons/Ton: 20 Ton/Hr X .75 Gallons/Ton = 15 GPH

Pounds/Ton: 20 Ton/Hr X 6 lbs/Ton = 120 lbs.

120 lbs ÷ 8 lbs per gallon = 15 GPH

Example Answer: If you are using 2 nozzles, use Green nozzles at 30 PSI.

For Liquids on Forage & Silage:

1. Use the "Harvest Rate Chart" to determine your harvest rate in Tons per Minute (TPM).
2. Using your product label, determine your Product Application Rate (PAR).
3. To calculate your applicator calibration, multiply the TPM X PAR
4. Using the calibration chart on the reverse side, choose the nozzle and pressure setting to achieve the proper application rate.
NOTE: If your application rate falls between 2 pressure settings, always use the higher setting.

Example:

1.5 ton/min (TPM) X 16 oz./ton (PAR) = 24 oz./min application rate

Example Answer: If you are using 1 nozzle, use a Blue nozzle at 20 PSI

***To assure proper application rate we suggest using a calibration cup and collecting the product from the nozzle(s) to verify the application rate.**

Theoretical Coverage (inches) at Various Distance (inches) from the Spray Tip

Spray Angle	Inches from the Spray Tip					
	10"	12"	15"	18"	20"	30"
80°	16.8"	20.2"	25.2"	30.3"	33.9"	50.4"
110°	28.5"	34.3"	42.8"	51.4"	57.0"	85.6"

*Spray pressure will have a direct effect on the spray width.

Figures on chart reflect a pressure setting of 40 PSI.

Metric Conversion

Milliliters(s) X 0.0338 = US Ounce(s)

Liter(s) X 0.264 = US Gallons