

CROPCARE™

Liquid Applicator Tip Chart

Tip Size*	Tip Capacity in gallons per minute at given psi ** (1 tip)					
	15	20	30	40	50	60
650033	.021	.023	.29	.033	n/a	.04
650050	.03	.035	.04	.05	n/a	.06
8001	.06	.07	.09	.10	.11	.12
110015	.09	.11	.13	.15	.17	.18
11002	.12	.14	.17	.20	.22	.25
11003	.18	.21	.26	.30	.34	.37
11004	.25	.28	.35	.40	.45	.49
11005	.31	.35	.43	.50	.56	.61
11006	.37	.42	.52	.60	.67	.73
11008	.49	.56	.69	.80	.89	.98
11010	n/a	n/a	.87	1.00	1.12	1.22

*80 degree tips available in sizes 015-08

** Rates based on water density

How to select the correct nozzle size.

1. Determine the gpt.
2. Determine the tpm or mpt.
3. Multiply the gpt by the tpm or divide the gpt by the mpt
4. This gives the needed gpm per nozzle.
5. Refer to chart pick the correct nozzle.

Definition of Terms

psi - pounds per square inch

gpm - gallons per minute

tpm- ton per minute

mpt - minute per ton

gpt - gallon per ton

see back of page for conversion factor

Example 1- Suppose you need .25 gallon of inculant for every ton of silage. Your blower output is 4 tpm. Formula - $\text{gpt} \times \text{tpm} = \text{gpm of nozzle}$. (i.e. $.25 \text{ gpt} \times 4 \text{ tpm} = 1 \text{ gpm}$) Refer to chart to find correct nozzle. The 8010 tip at 40 psi would be a good choice.

Example 2- Suppose you need .125 gallon of inculatn for every ton of hay. Your baler processes one ton in two minutes. Formula - $\text{gpt} \div \text{mpt} = \text{gpm of nozzle}$.

(i.e. $.125 \div 2 \text{ mpt} = .063$)

Refer to chart to find correct nozzle. The 8001 tip at 15 psi would be a good choice.

Miscellaneous Conversion Factors

One Acre = 43,560 sq/ft

One mile = 5,280 ft
1,610 meters
1.61 kilometers

One gallon= 128 fluid ounces
8 pints
4 quarts
3.79 liters

One mile per hour = 1.609 kilometers per hour

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