

Table 4.—Herbicide Sprayer Calibration Table: Brush Boom for Broadcast Spraying

To use this Table: Have sprayer equipped with proper nozzle tips and with tips, tractor speed and spraying pressure adjusted as for field operation. Then, operate unit in field and collect spray liquid discharged by several nozzle tips over a measured distance of 300 ft.

Average quantity of liquid sprayed per tip in Ounces. Locate this figure in left-hand column of table and read directly the gallons per acre rate under the nozzle spacing column for your boom.

	<i>Amount of Spray Delivered by one Nozzle in 300 ft.</i>	<i>Gals. per acre applied at Nozzle spacings of:</i>		
		<i>15 inches</i>	<i>18 inches</i>	<i>21 inches</i>
	<i>ounces</i>			
	8	7.3	6.1	5.2
	10	9.1	7.6	6.5
	12	10.9	9.1	7.8
	14	12.7	10.6	9.1
PT	16	14.5	12.1	10.4
	18	16.3	13.6	11.7
	20	18.2	15.1	13.0
	22	20.0	16.6	14.3
	24	21.8	18.2	15.6
	26	23.6	19.7	16.9
	28	25.4	21.2	18.2
	30	27.2	22.7	19.5
QT	32	29.0	24.2	20.8

EXAMPLE: When run down the field at operating speed and pressure a sprayer has an average nozzle tip delivery of 26 ozs. of solution in 300 ft. Nozzles tips are spaced 18 inches apart on the boom. The gals. per acre rate is found in the 18 in. column opposite 26 ozs.: 19.7 gpa.

Table 5.—Reduced Dosage Table for Application of Herbicides to Small Areas

<i>Label concentration in active ingredient or acid equivalent</i>		<i>Quantity of liquid herbicide product to add to 1 gal. of water to treat 1,000 sq. ft. at rate of 1 lb./acre</i>		
<i>Per cent.</i>	<i>Pounds/gal.</i>	<i>Ounces</i>	<i>c.c. or ml.</i>	<i>Tablespoons</i>
5	0.5	6.2	174	12.5
10	1.0	3.1	87	6.2
20	2.0	1.5	43	3.1
30	3.0	1.0	29	2.1
40	4.0	0.7	22	1.5
50	5.0	0.6	17	1.2
60	6.0	0.5	14	1.0

To apply $\frac{1}{2}$ lb./A rate use one-half the amounts shown in table. To determine quantity of herbicide for rates greater than 1 lb./A multiply the desired rates times the amount shown in the table for the given concentration.

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