

Calibration Made Easy

Table 1: Time (in seconds) to catch nozzle output

SPEED (mph)	Nozzle Spacing (inches)										
	18"	19"	20"	21"	22"	30"	36"	38"	40"	46"	48"
3.0	52	49	46	44	42	31	26	24	23	20	19
3.5	44	42	40	38	36	26	22	21	20	17	16.5
4.0	39	37	35	33	32	23	19	18	17	15	14
4.5	34	33	31	29	28	21	17	16	15	13.5	13
5.0	31	29	28	26.5	25	18.5	15	14.5	14	12	11.5
5.5	28	27	25	24	23	17	14	13	12.5	11	10.5
6.0	26	24.5	23	22	21	15	13	12	11.5	10	9.5
6.5	24	23	21	20	19	14	12	11	10.5	-	-
7.0	22	21	20	19	18	13	11	10	-	-	-
7.5	21	20	18.5	18	17	12	10	-	-	-	-
8.0	19	18	17	16.5	16	12	10	-	-	-	-

Table 2: Time required (in seconds) to travel each distance

How To Use This Chart To Calibrate Sprayer 1. Determine ground speed under field conditions using Table 2. 2. Determine correct nozzle spacing. 3. Locate the time (seconds) to catch nozzle output at the intersection of nozzle spacing and ground speed in Table 1 above. 4. Set the desired spray pressure and catch the output of 1 nozzle for the determined number of seconds.* 5. Ounces collected in the amount of time determined in step 3 equals spray volume in gal/acre. Example: collected 15 ounces = 15 gal/acre	Speed (mph)	Distance traveled		
		100 ft.	200 ft.	300 ft.
		3.0	23	45
	3.5	20	39	58
	4.0	17	34	51
	4.5	15	30	45
	5.0	14	27	41
	5.5	-	25	37
	6.0	-	23	34
	6.5	-	21	31
	7.0	-	19	29
	7.5	-	18	27
	8.0	-	17	26

* Notes for step 4 - If you have a 60, 90 or 120 foot boom, consider catching water from nozzles every 10-12 feet of boom.

- Catch spray from one nozzle for broadcast sprayers. Catch spray from all nozzles per row for banded or row crop directed sprays.