

Canopy penetration study at 20 GPA and 10 MPH

Means - Bottom Collectors

Treatment	Nozzle	Product	V _{0.1}	VMD	V _{0.9}	% Area Coverage	Droplets/sq cm
1	XR 11006 - 50	Water + NIS	158.5 ^{cdef}	365 ^{abcd}	625 ^{ab}	1.9 ^{cd}	83 ^{de}
2	TT 11006 - 50	Water + NIS	190.5 ^{abcd}	403 ^{ab}	672 ^{ab}	5.1 ^a	100 ^{bcde}
3	TT 11005 - 75	Water + NIS	186.5 ^{abcd}	400 ^{ab}	624 ^{ab}	2.6 ^{bcd}	84.5 ^{de}
4	TT 11004 - 95	Water + NIS	173 ^{abcde}	342.5 ^{cde}	526.5 ^{bc}	4.2 ^{ab}	145.5 ^a
5	TD XR04 - 115	Water + NIS	175.5 ^{abcde}	367.5 ^{abcd}	660 ^{ab}	5.1 ^a	106 ^{bcde}
6	TD TT04 - 115	Water + NIS	208.5 ^a	402.5 ^{ab}	694 ^a	3.5 ^{abcd}	81 ^d ^e
7	TD XL04 - 115	Water + NIS	186.5 ^{abcd}	434 ^a	648 ^{ab}	3.4 ^{abcd}	81 ^d ^e
8	SR 110-05 - 75	Water + NIS	160.5 ^{cdef}	372.5 ^{abcd}	622.5 ^{ab}	3.5 ^{abcd}	127 ^{abc}
9	SR 110-06 - 50	Water + NIS	176 ^{abcde}	390 ^{abc}	622 ^{ab}	3.9 ^{abc}	99.5 ^{cde}
10	ER 80-06 - 50	Water + NIS	148.5 ^{ef}	335 ^{bcde}	620 ^{ab}	4.3 ^{ab}	136.5 ^{ab}
11	TwinCap 03 - 50	Water + NIS	168 ^{bcdef}	308.5 ^{cde}	546.5 ^{abc}	2.7 ^{bcd}	96.5 ^{cde}
12	TwinCap 04 - 27	Water + NIS	165.5 ^{bcdef}	314 ^{cde}	672.5 ^{ab}	2.9 ^{abcd}	96 ^{cde}
13	TwinJet 06 - 50	Water + NIS	167.5 ^{bcdef}	301.5 ^{de}	524.5 ^{bc}	3.5 ^{abcd}	125.5 ^{abc}
14	TeeJet Duo TT03(wide) - 50	Water + NIS	164 ^{bcdef}	330.5 ^{bcde}	535.5 ^{bc}	1.6 ^d	78.5 ^{de}
15	TeeJet Duo TT03(narrow)-50	Water + NIS	180 ^{abcde}	327.5 ^{bcde}	599 ^{ab}	3.4 ^{abcd}	87 ^{de}
16	TeeJet Duo XR03 - 50	Water + NIS	134.5 ^f	260.5 ^e	434 ^c	2.4 ^{bcd}	116.5 ^{abcd}
17	AirMix TF05 - 75	Water + NIS	192.5 ^{abc}	351.5 ^{abcd}	606 ^{ab}	3.7 ^{abcd}	99 ^{cde}
18	TD TF04 - 115	Water + NIS	198.5 ^{ab}	356.5 ^{abcd}	600 ^{ab}	4.2 ^{ab}	85.5 ^{de}
19	SR 110-03 - 50	Water + NIS	155.5 ^{def}	313.5 ^{cde}	538 ^{cb}	3.1 ^{abcd}	105 ^{bcde}
20	MR 110-025 - 75	Water + NIS	187 ^{abcd}	331 ^{bcde}	588 ^{abc}	3.6 ^{abcd}	75.5 ^e
		LSD	36.3	85.4	154.9	2.29	37.20

Means with the same letter are not significant at .05

Ranked by Percent Area Coverage

Treatment	Nozzle	Product	V _{0.1}	VMD	V _{0.9}	% Area Coverage	Droplets/sq cm
	TT 11006	Water + NIS	190.5 ^{abcd}	403 ^{ab}	672 ^{ab}	5.1 ^a	100 ^{bcde}
	TD XR04	Water + NIS	175.5 ^{abcde}	367.5 ^{abcd}	660 ^{ab}	5.1 ^a	106 ^{bcde}
	ER 80-06	Water + NIS	148.5 ^{ef}	335 ^{bcde}	620 ^{ab}	4.3 ^{ab}	136.5 ^{ab}
	TT 11004	Water + NIS	173 ^{abcde}	342.5 ^{cde}	526.5 ^{bc}	4.2 ^{ab}	145.5 ^a
	TD TF04	Water + NIS	198.5 ^{ab}	356.5 ^{abcd}	600 ^{ab}	4.2 ^{ab}	85.5 ^{de}
	SR 110-06	Water + NIS	176 ^{abcde}	390 ^{abc}	622 ^{ab}	3.9 ^{abc}	99.5 ^{cde}
	AirMix TF05	Water + NIS	192.5 ^{abc}	351.5 ^{abcd}	606 ^{ab}	3.7 ^{abcd}	99 ^{cde}
	MR 110-025	Water + NIS	187 ^{abcd}	331 ^{bcde}	588 ^{abc}	3.6 ^{abcd}	75.5 ^e
	TD TT04	Water + NIS	208.5 ^a	402.5 ^{ab}	694 ^a	3.5 ^{abcd}	81 ^d ^e
	SR 110-05	Water + NIS	160.5 ^{cdef}	372.5 ^{abcd}	622.5 ^{ab}	3.5 ^{abcd}	127 ^{abc}
	TwinJet 06	Water + NIS	167.5 ^{bcdef}	301.5 ^{de}	524.5 ^{bc}	3.5 ^{abcd}	125.5 ^{abc}
	TD XL04	Water + NIS	186.5 ^{abcd}	434 ^a	648 ^{ab}	3.4 ^{abcd}	81 ^d ^e
	TeeJet Duo TT03(narrow)	Water + NIS	180 ^{abcde}	327.5 ^{bcde}	599 ^{ab}	3.4 ^{abcd}	87 ^{de}
	SR 110-03	Water + NIS	155.5 ^{def}	313.5 ^{cde}	538 ^{cb}	3.1 ^{abcd}	105 ^{bcde}
	TwinCap 04	Water + NIS	165.5 ^{bcdef}	314 ^{cde}	672.5 ^{ab}	2.9 ^{abcd}	96 ^{cde}
	TwinCap 03	Water + NIS	168 ^{bcdef}	308.5 ^{cde}	546.5 ^{abc}	2.7 ^{bcd}	96.5 ^{cde}
	TT 11005	Water + NIS	186.5 ^{abcd}	400 ^{ab}	624 ^{ab}	2.6 ^{bcd}	84.5 ^{de}
	TeeJet Duo XR03	Water + NIS	134.5 ^f	260.5 ^e	434 ^c	2.4 ^{bcd}	116.5 ^{abcd}
	XR 11006	Water + NIS	158.5 ^{cdef}	365 ^{abcd}	625 ^{ab}	1.9 ^{cd}	83 ^{de}
	TeeJet Duo TT03(wide)	Water + NIS	164 ^{bcdef}	330.5 ^{bcde}	535.5 ^{bc}	1.6 ^d	78.5 ^{de}
		LSD	36.3	85.4	154.9	2.29	37.20

Means with the same letter are not significant at .05

Ranked by Droplets per Sq. centimeter

Treatment	Nozzle	Product	V _{0.1}	VMD	V _{0.9}	% Area Coverage	Droplets/sq cm
	TT 11004	Water + NIS	173 ^{abcde}	342.5 ^{cde}	526.5 ^{bc}	4.2 ^{ab}	145.5 ^a
	ER 80-06	Water + NIS	148.5 ^{ef}	335 ^{bcde}	620 ^{ab}	4.3 ^{ab}	136.5 ^{ab}
	SR 110-05	Water + NIS	160.5 ^{cdef}	372.5 ^{abcd}	622.5 ^{ab}	3.5 ^{abcd}	127 ^{abc}
	TwinJet 06	Water + NIS	167.5 ^{bcdef}	301.5 ^{de}	524.5 ^{bc}	3.5 ^{abcd}	125.5 ^{abc}
	TeeJet Duo XR03	Water + NIS	134.5 ^f	260.5 ^e	434 ^c	2.4 ^{bcd}	116.5 ^{abcd}
	TD XR04	Water + NIS	175.5 ^{abcde}	367.5 ^{abcd}	660 ^{ab}	5.1 ^a	106 ^{bcde}
	SR 110-03	Water + NIS	155.5 ^{def}	313.5 ^{cde}	538 ^{cb}	3.1 ^{abcd}	105 ^{bcde}
	TT 11006	Water + NIS	190.5 ^{abcd}	403 ^{ab}	672 ^{ab}	5.1 ^a	100 ^{bcde}
	SR 110-06	Water + NIS	176 ^{abcde}	390 ^{abc}	622 ^{ab}	3.9 ^{abc}	99.5 ^{cde}
	AirMix TF05	Water + NIS	192.5 ^{abc}	351.5 ^{abcd}	606 ^{ab}	3.7 ^{abcd}	99 ^{cde}
	TwinCap 03	Water + NIS	168 ^{bcdef}	308.5 ^{cde}	546.5 ^{abc}	2.7 ^{bcd}	96.5 ^{cde}
	TwinCap 04	Water + NIS	165.5 ^{bcdef}	314 ^{cde}	672.5 ^{ab}	2.9 ^{abcd}	96 ^{cde}
	TeeJet Duo TT03(narrow)	Water + NIS	180 ^{abcde}	327.5 ^{bcde}	599 ^{ab}	3.4 ^{abcd}	87 ^{de}
	TD TF04	Water + NIS	198.5 ^{ab}	356.5 ^{abcd}	600 ^{ab}	4.2 ^{ab}	85.5 ^{de}
	TT 11005	Water + NIS	186.5 ^{abcd}	400 ^{ab}	624 ^{ab}	2.6 ^{bcd}	84.5 ^{de}
	XR 11006	Water + NIS	158.5 ^{cdef}	365 ^{abcd}	625 ^{ab}	1.9 ^{cd}	83 ^{de}
	TD TT04	Water + NIS	208.5 ^a	402.5 ^{ab}	694 ^a	3.5 ^{abcd}	81 ^{de}
	TD XL04	Water + NIS	186.5 ^{abcd}	434 ^a	648 ^{ab}	3.4 ^{abcd}	81 ^{de}
	TeeJet Duo TT03(wide)	Water + NIS	164 ^{bcdef}	330.5 ^{bcde}	535.5 ^{bc}	1.6 ^d	78.5 ^{de}
	MR 110-025	Water + NIS	187 ^{abcd}	331 ^{bcde}	588 ^{abc}	3.6 ^{abcd}	75.5 ^e
		LSD	36.3	85.4	154.9	2.29	37.20

Means with the same letter are not significant at .05