

REPORT ON ONE YEAR'S RESEARCH

Average Results of Chemical Sucker Control On-Farm Tests Conducted in Brunswick, Edgecombe, Guilford, Johnston, Sampson and Warren Counties in North Carolina in 1990.

Use of tradenames does not imply endorsement of the products named nor discrimination against products not mentioned.

Treat. No.	Buton (1st Appl.)	Time of Application			Suckers lbs./acre	MH Residues ^a ppm
		3-5 Days (2nd Appl.)	5-7 Days (3rd Appl.)	3-4 Weeks (4th Appl.)		
1*	C (4%)	C (5%)	1x MH		3,259	46
2	C (4%)	C (5%)	1x MH	C (5%)	1,453	49
3	C (4%)	C (5%)	1x MH	1/2x P+	325	48
4	C (4%)	C (5%)	(1/2x P+ + 1x MH) ^b		1,212	50
5	C (4%)	C (5%)	1/2x P+ ^c 1x MH (sequential)		828	36

* Treatment 1 is the current recommended treatment using any formulation of MH.

Treatments 1, 3-5: C = Off-Shoot-T, MH = Royal MH, Treatment 2: C = Fair 85, MH = Fair 30.

1x MH = 1.5 gal/acre RMH or 1.0 gal/A Fair 30.

1/2x P+ = 2 quarts/acre of Prime +.

^a MH residues were analyzed in Brunswick, Warren, Edgecombe and Sampson Counties.

^b (Parenthesis) indicates a tankmix of MH + Prime + in treatment 4.

^c Prime + and MH were applied as a same day sequential. Prime + was applied first as a coarse spray with contact type nozzles and MH was applied as fine spray approximately 1 hr. later (Treatment 5).

When MH was applied alone, application was a fine spray (40-50 psi, 3 fine spray nozzles/row). All fatty alcohols, Prime +, and tankmixes of Prime + and MH were applied as a coarse spray (20 psi, 3 nozzles/row-TG-3, TG-5, TG-3). All spray applications (both fine and coarse) were applied in 50 gal/acre of total spray volume.

In treatments 3 and 5 where Prime + was applied alone (i.e. not tankmixed), 0.25% X-77 surfactant was added to spray solution (1 pt/50 gals solution).

Results may differ in various geographic areas due to the effects of climate and cultural practices.

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