

CULTAR AS A FRUITLET THINNER [1985 - 6]**Cultar at flowering time**

Treatment	Michelin	Dabinett	Chisel	Coat Jersey	Tremletts
Crop as % control	83	108	88	59	54
Return bloom [as blossom clusters /cm cross sect area]					
Control	7.9	4.4	3.2	1.3	12.0*
Treated	10.7*	6.8*	10.7*	9.2*	15.7*

* acceptable level of return bloom

One or two Cultar sprays [250mg/l = 7oz/acre] were made to simulate conditions in mixed orchards where 2 'blanket' sprays would intercept full bloom of any variety over a range of flowering times.

In contrast to 1985 this year's results were poor, with no significant thinning except of Tremletts, Chisel Jersey and Coat Jersey, all of which were more susceptible to thinning by any chemical this season.

Cultar applied alone at full bloom in 1986 gave a range of varietal response. In some instances there was no thinning action but fruit size was reduced, in other cases significant thinning stimulated an increase in fruit size. Repeat applications two weeks later gave no advantage.

Cultar applied at the fruitlet stage will reduce final fruit size.

Fruit set as % control

Treatment	Dabinett	Michelin	Chisel	Harry Masters	Tremletts
Cultar	92	84	-	-	70
Carbaryl NAA	-	-	51	62	-
Both the above	48	34	-	-	-

Fruit set as % control [% non-fruiting clusters]

Treatment	Tremletts 1	Tremletts 2	Chisel	Coat Jersey
Cultar x1	104 [38]	83 [38]	108 [24]	43 [32]
Cultar x 2	62 [47]	83 [49]	76 [35]	69 [12]

Cultar at full bloom

Variety/ treatment	Fruit set year 1	Return bloom clusters/cm yr 2	Return bloom % clusters floral yr 2
Michelin			
No treatment	22.6	7.9	37
Cultar	19.1	10.7	42 *
Cultar + CNAА	7.6**	11.9	73 *
Dabinett			
No treatment	26.1	4.4	18
Cultar	24.1	6.8	32 *
Cultar + CNAА	12.4	14.4	68 *

CNAА = carbaryl plus NAA

* * over-thinned

* acceptable level of return bloom