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COOPERATIVE EXTENSION
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SAN JOAQUIN VALLEY
AGRICULTURAL RESEARCH
AND EXTENSION CENTER

DATE: April 26, 1978

MEMO TO: Don Luvisi
Bill Peacock
Pete Christensen
George Leavitt
A. N. Kasimatis

FROM: Frederik L. Jensen
Extension Viticulturist

RE: GA on Wine Varieties - Results of Kearney Trials

Enclosed are the results of the GA trials established in 1977. All are randomized complete blocks with 10 single vine reps of each treatment except for Chenin blanc with 8 reps. Material was Pro-Gibb applied with a hand sprayer using sufficient gallonage to cover. All were below 100 gallons per acre.

The Carignanes and Chenin blanc trials have been retreated for counts next year, the others dropped.

FLJ:jc

Enclosures

The University of California's Cooperative Extension Programs are available to all, without regard to race, color, or national origin.

Cooperative Extension work in Agriculture and Home Economics, United States Department of Agriculture and University of California cooperating

Table 1. Effect of gibberellin applied on Chenin blanc in 1977 on number of flower clusters in 1978.

GA ppm	April 5 Flower clusters per vine	% Reduction in flower clusters compared to check
1. 0	91 a	-
2. 5	65 b	29
3. 10	53 b	42

LSD .05 = 16

Table 2. Effect of gibberellin applied on Barbera in 1977 on number of flower clusters in 1978.

GA ppm	April 5 Flower clusters per vine	% Reduction in flower clusters compared to check
1. 0	63 a	-
2. 2 1/2	43 b	32
3. 5	35 c	44
4. 7 1/2	32 c	49

LSD .05 = 7

Table 3. Effect of gibberellin applied on Carignane in 1977 on number of flower clusters in 1978.

GA ppm	April 5 Flower clusters per vine	% Reduction in flower clusters compared to check
1. 0	79 a	-
2. 2 1/2	72 ab	9
3. 5	68 b	14
4. 5 plus Triton B1956	65 b	18

LSD .05 = 10

Table 4. Effect of gibberellin applied on Grenache in 1977 on number of flower clusters in 1978.

GA ppm	April 6 Flower clusters per vine	% Reduction in flower clusters compared to check
1. 0	66 a	-
2. 20	67 a	-
3. 20 plus Triton B1956	73 a	-
4. 30	68 a	-

No significant difference

Table 5. Effect of gibberellin applied on Petite Sirah in 1977 on number of flower clusters in 1978.

GA ppm	April 12 & 19 Flower clusters per vine	% Reduction in flower clusters compared to check
1. 0	50 a	-
2. 5	20 b	60
3. 10	17 b	66
4. 10 plus Triton B1956	11 c	78
LSD .05 = 6		

Comments:

Chenin blanc - Treated clusters smaller, especially 10 ppm.

Barbera - Clusters treated with 5 and 7½ ppm - smaller, especially 7½ ppm.

Petite Sirah - Treated vines showed delayed bud emergence, especially 10 ppm which was delayed about 10 days.

Treated clusters all smaller, especially 10 ppm.