

**Gibberellin sprays to control biennial cropping in off year trees
LARS TRIALS 1982-3**

LARS 11.a 1982

GA3 [Berelex] at 300 and 30ppm; GA 4+7 [Regulex] at 300 and 30ppm plus wetter
Sprayed by hand lance at 1.5l /tree at 'petal fall' to off Tremletts

No effect to return bloom

LARS 11.b 1982

GA3 at 30, 100, and 300ppm; GA 4 + 7 at 30, 100, and 300ppm plus wetter
Sprayed by hand lance at .75l /tree at 'petal fall' to off Somerset Redstreak

No effect to return bloom

LARS 11.c 1982

GA 3 at 25 and 250ppm + wetter

Sprayed by hand lance at 2l /tree at 10 days after full bloom to Tremletts Bitter.

No effect to return bloom

LARS 11.1 1983

GA 3 at 25ppm; mixture of GA3 at 12.5ppm + bromacil [Hyvar X] at 25ppm;
bromacil at 50ppm

Sprayed 8 times to all trees at 2 – 2.5l /tree to off Tremletts.

At the equivalent of 'full bloom', 90% petal-fall; fruitlets 10mm, 18mm and 30mm
and a further 3 sprays at 10 – 14 day intervals

No effect to return bloom

LARS 11.2 1983

GA 3 at 25ppm; mixture of GA3 at 12.5ppm + bromacil [Hyvar X] at 25ppm;
bromacil at 50ppm

Sprayed at 2.5 - 3l /tree to off Tremletts.

Blocks of 3 trees sprayed once at 14 day intervals from; 12/5 'full bloom', 25/5 90%
petal-fall; 9/6 fruitlets 10mm, 22/6 18mm, 6/7 30mm, 18/7, 5/8 and 19/8

No effect to return bloom.

LARS 11.3, 4 and 5. 1983

Three similar trials of GA 3 at 25ppm; mixture of GA3 at 12.5ppm + bromacil [Hyvar X] at 25ppm; bromacil at 50ppm with wetter.

Sprayed 3 times with hand lance at 2 - 3l /tree to off RdH, Breakwells Seedling,
Chisel Jersey and Yarlinton Mill.

At equivalent of 'full bloom' 6/6; 20/6 and 4/7

No effect to return bloom.

LARS 11.6, 7, 11 and 12 1983

Four trials with GA 3 at 25ppm, sprayed 3, 4 or 5 times at 10 – 14 day intervals from
50 - 100% petal fall at 90 gpa commercial spray application to off bittersweets;
Tremletts, Chisel Jersey and Yarlinton and low tannin variety Browns Apple.

No phytotoxicity, no obvious blossom suppression, no growth effects, no good!

Bud dissection revealed 100% floral!