EARLY RIPENING TRIALS WITH ETHREL C ON CIDER APPLES

A] Varieties Michelin/Dabinett

Date of trial: 1973 LARS

Treatments: Application of Ethrel C with hand lance to mature trees.
Rates high [480ppm], medium [240ppm]
Spray dates: 28/8, 11/9 and 28/9

Harvesting: Unsprayed controls hand picked prematurely [31/8, 14/9, 28/9]
and at maturity [5/11 Michelin, 12/11 Dabinett]
Treated trees shaken when ready [Michelin 20/9 and 10/10; Dabinett 18/10]

Ripening: Allowed to reach maturity before pressing.

Pressing: Milled and pressed for juice analysis and cider making of selected samples.

Records:
1] Date shaken, ie date at which fruit becomes shakeable after treatment.
2] Time to maturity [days].
3] Condition and visual maturity at milling and pressing.
4] Juice SG, % malic acid, pH, % tannin, N mg/100ml
5] Cider [selected samples SG, % malic acid, pH

B] Varieties Tremletts Bitter/ Yarlington Mill

Date of trial: 1973

Treatments: As above on two spray dates only [28/8, 11/9]

Harvested: Tremletts 20/9, 8/10; Yarlington 21/9, 9/10
Hand picked controls 31/8, 21/9 immature,
and at 25/10 and 9/11 resp. at maturity.

Records: As above.
C] Varieties Michelin/Dabinett

Date of trial: 1985

Treatments: Ethrel C applied by hand lance to mature trees
Rates: High [480ppm], medium [240ppm], low [120ppm]
Spray dates for both varieties 29/8 and 9/9

Harvesting: All fruit harvested following starch-iodide test for ripeness.
Treated trees: Michelin 2/10, Dabinett 17/10
Untreated controls harvested: Michelin 2/10, Dabinett 18/10
Fruit juice extracted and stored frozen for analysis.

Records:
1] Time for fruit to reach maturity after treatment.
2] % fruit drop at harvest.
3] Mean weight of fruit [g].

D) Early varieties Somerset Redstreak and Tremletts Bitter.

Date of trial: 1985

Treatments: Ethrel C sprayed with hand lance to mature trees.
Rate: 480 ppm
Date: 21/8

Harvesting: Both varieties harvested 19/9 with untreated control trees.

Records:
1] Time for fruit to reach maturity after treatment.
2] % fruit drop at harvest.
3] Juice: SG, sugar [% sucrose].