

## 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/ Yarlinton Mill

Date of trial: 1973

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

Harvested: Tremletts 20/9, 8/10; Yarlinton 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].

4] Juice: SG, sugar [% sucrose].

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].