

Fruit Cracking

No significant treatment effect on:

- ◆ Fruit cracking
- ◆ Marketable fruit

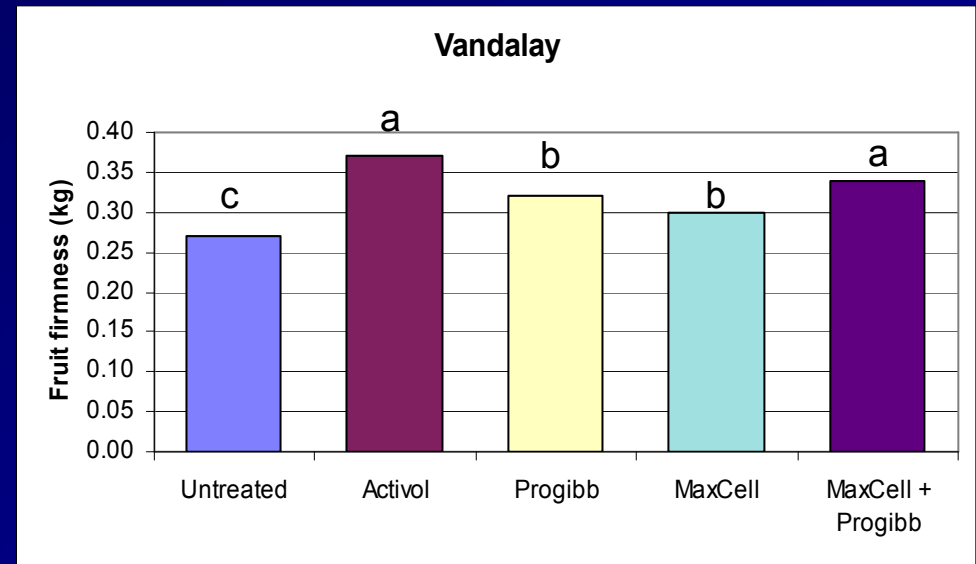
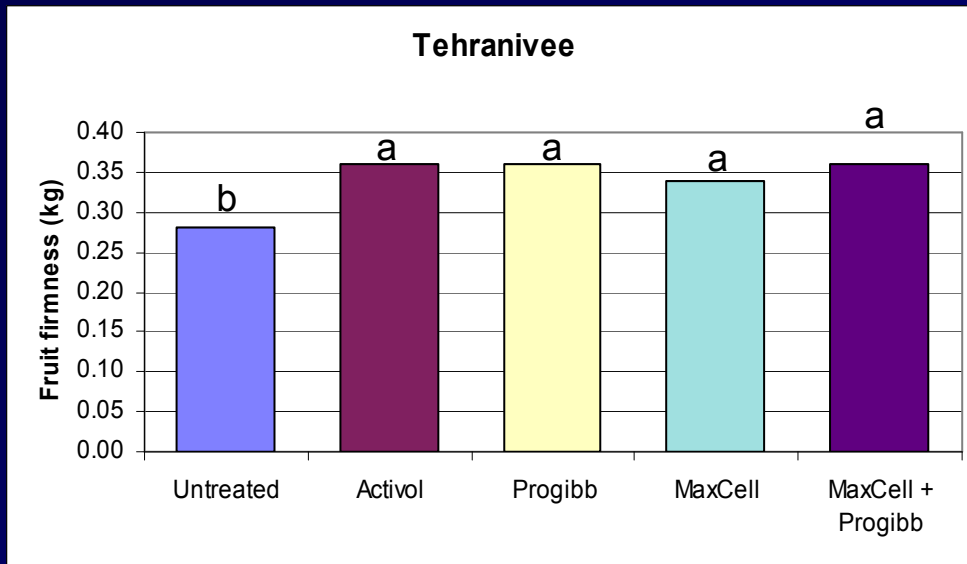


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2003 Data

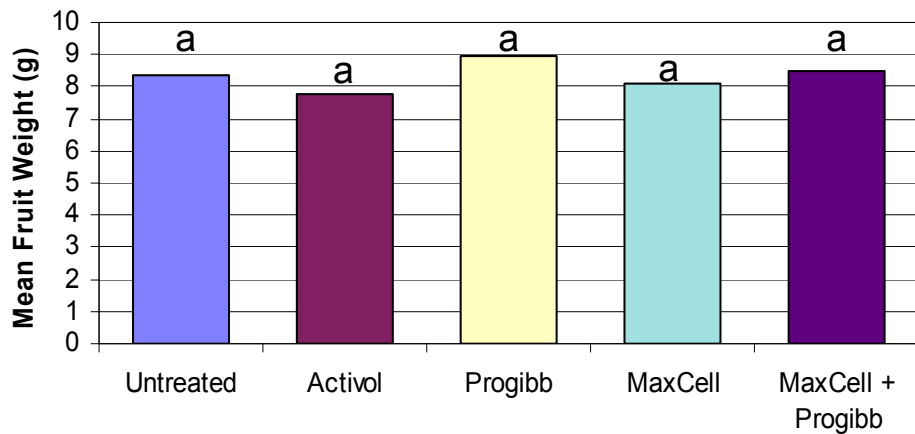
Fruit Firmness



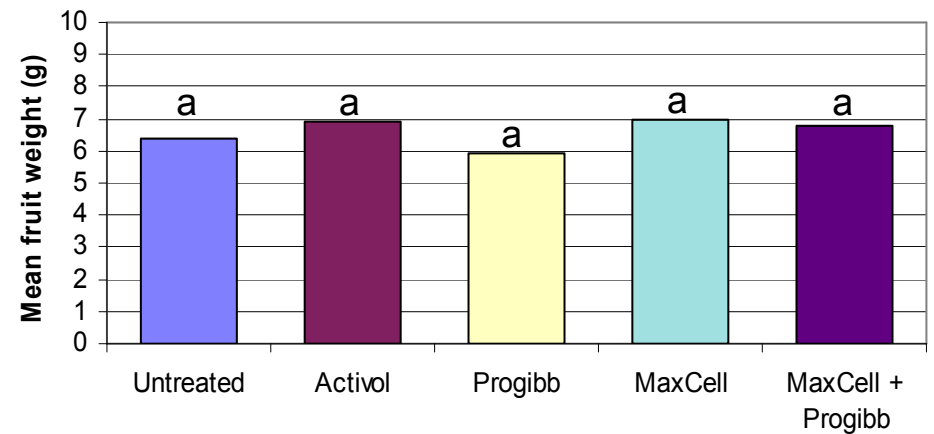
- ◆ GA resulted in significantly firmer fruit
- ◆ No effect of Maxcel
- ◆ Tehranivee (later cv.) more responsive to GA₃ than Vandalay

Fruit Weight

Tehranivee



Vandalay



◆ in 2003, GA did not influence fruit weight of either cultivar

2007 Data

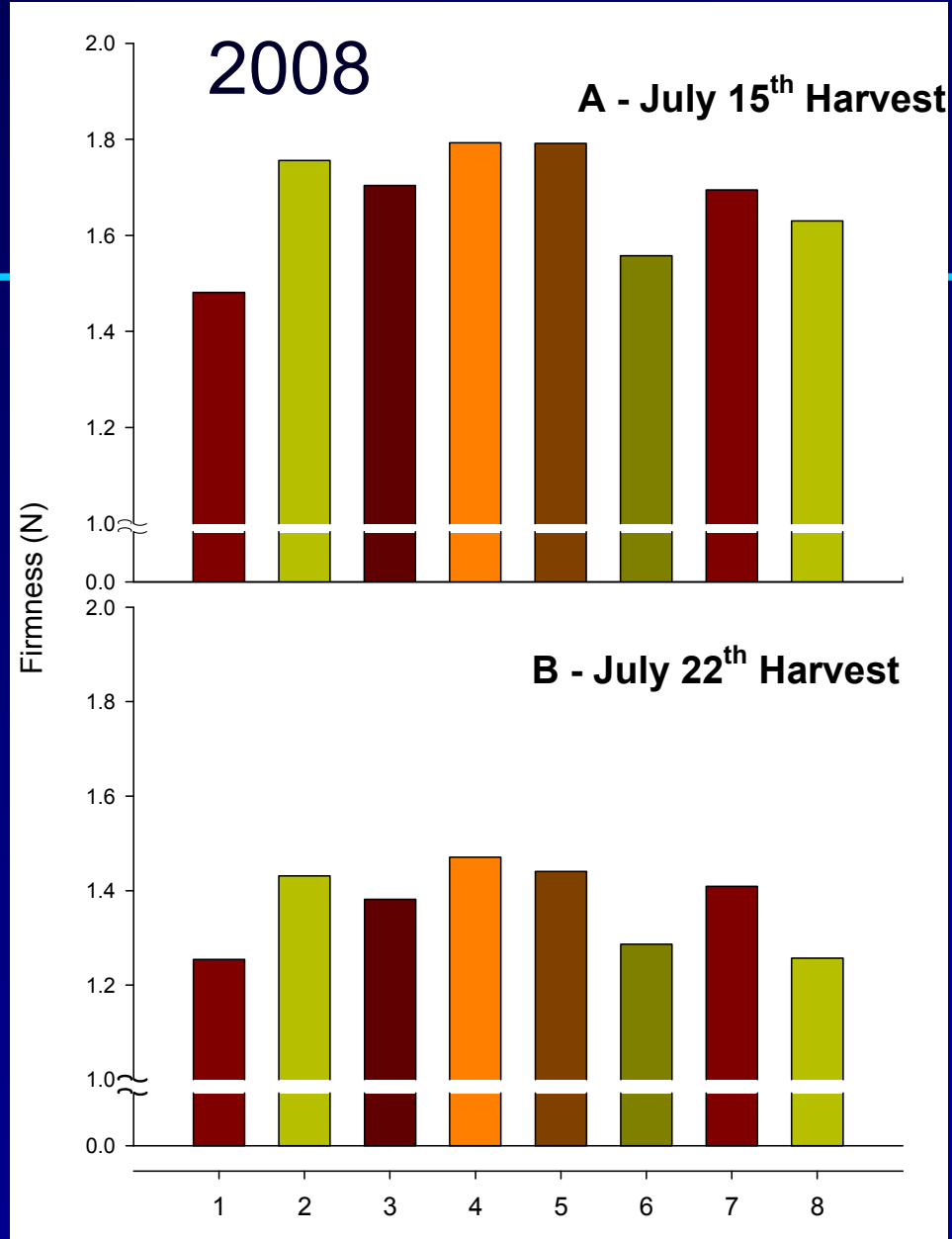
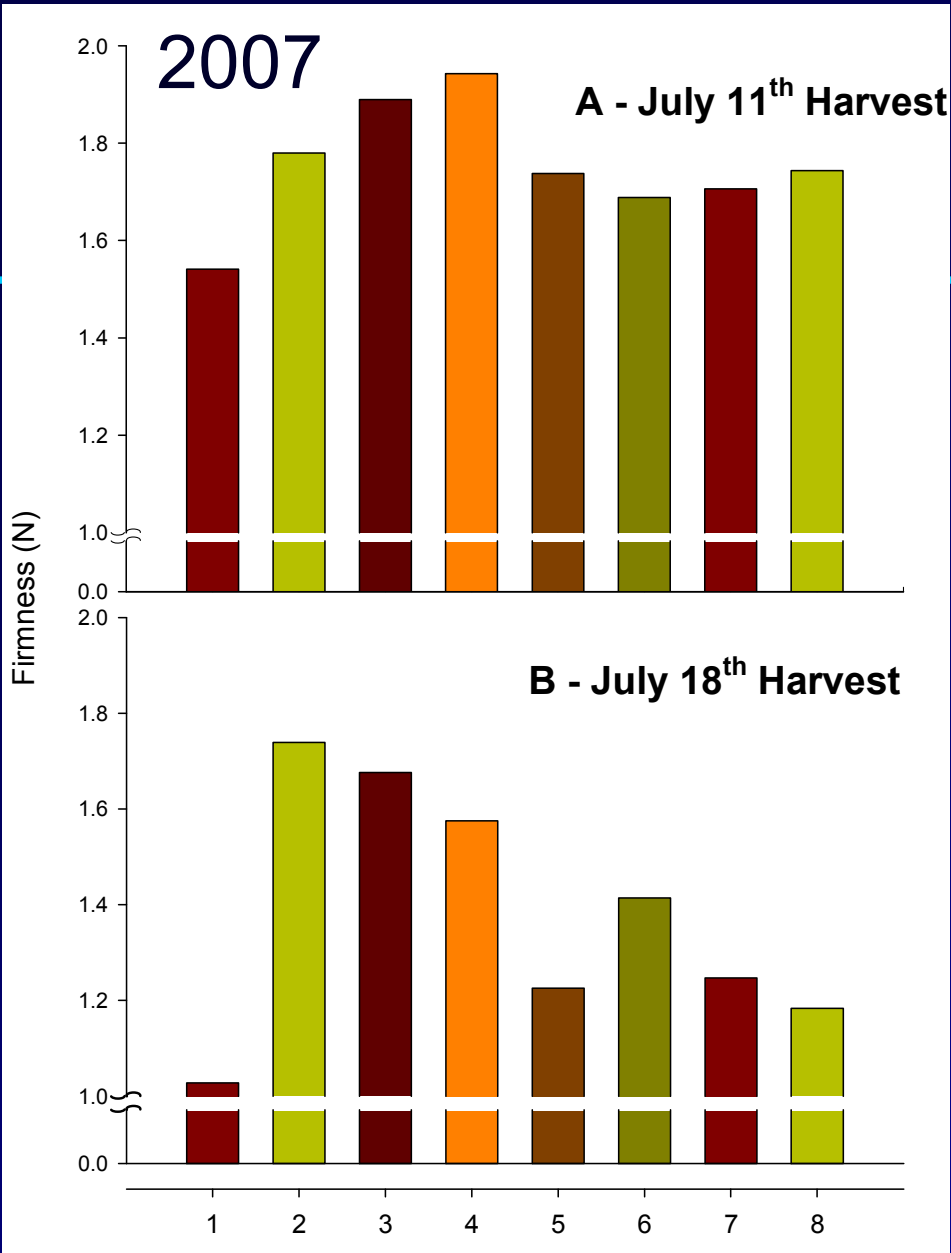
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Table 1. Effect of giberillic acid treatment on fruit colour and firmness of 'Hedelfingen' cherries. Vineland, 2007.

GA ₃ (mg/L)	Timing	Fomulation	Firmnes		Colour L		Mean fruit weight (g)	Brix (°)	
			s (kg) ^z		value (lightness)				
1st pick (July 11)									
Untreated	-	-	0.16	c	31.5	d	7.6	16.3	
20	straw colour	Progibb 40%	0.18	b	34.7	b	7.5	17.8	
40	straw colour	Progibb 40%	0.19	a	34.5	b	7.7	17.9	
60	straw colour	Progibb 40%	0.20	a	35.3	a	6.3	16.2	
20	10 prior to straw colour	Progibb 40%	0.18	b	33.5	c	7.3	17.0	
20	straw colour + 10 days prior	Progibb 40%	0.17	b	34.8	ab	6.9	15.9	
20	straw colour	Progibb 4%	0.17	b	33.0	c	7.3	17.1	
40	straw colour	Progibb 4%	0.18	b	35.0	ab	6.3	16.0	
Significance ^z			***		***		ns	ns	
LSD (p=0.05)			0.01		0.5		2.8	2.0	
P value			< 0.0001		< 0.0001		0.7524	0.7112	
2nd pick (July 18)									
Untreated	-	-	0.10	e	31.0	d	8.9	abc	17.1
20	straw colour	Progibb 40%	0.18	a	31.3	d	10.0	a	15.0
40	straw colour	Progibb 40%	0.17	a	32.1	bc	8.2	bcd	18.6
60	straw colour	Progibb 40%	0.16	b	32.3	bc	8.8	abc	16.7
20	10 prior to straw colour	Progibb 40%	0.13	d	32.4	b	9.3	ab	18.8
20	straw colour + 10 days prior	Progibb 40%	0.14	c	33.2	a	7.9	bcd	15.9
20	straw colour	Progibb 4%	0.13	d	31.8	c	7.7	cd	17.3
40	straw colour	Progibb 4%	0.12	d	33.2	a	7.0	d	14.4
Significance ^z			***		***		*	ns	
LSD (p=0.05)			0.01		0.5		1.6	3.3	
P value			< 0.0001		< 0.0001		0.0154	0.1115	

3 mm probe



'Hedelfingen' fruits on July 11th 2007 (1st harvest)

