

Package: Intake, Trafos Sinergy, Tradebor, Aton Mo, Systacal Plus on Watermelon



Crop:	Watermelon
Product:	Intake, Trafos Sinergy, Tradebor, Aton Mo, Systacal Plus
Location:	Lower Lockyer Valley, Queensland, Australia
Aim:	Increase Yield & Quality
Application:	Boom Spray
Rate:	See following sides
Start date:	26/08/2017
Harvest date:	30/11/2017
Assessment:	Vegetative Growth, Sap Tests, Physical Counting
Notes:	Soil; Sandy red, Climate; sub-tropical, Irrigation; Drip

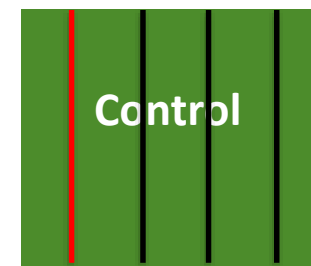
Design, Treatments & Notes

Product	Rate (kg, L /ha /applic.)	Method	Days After Transplanting (DAT)					
			7 DAT	14 DAT	24 DAT	34 DAT	49 DAT	54 DAT
			Growth Phase					Budding
Intake	2L /ha	Boom	31/8	8/9				
Trafos Sinergy	3L /ha	Boom			15/ 9	26/9		
Tradebor	2L /ha	Boom				26/9	5/10	
Aton Mo	60ml /ha	Boom				26/9	5/10	
Systacal Plus	2L /ha	Boom						25/10
Amifol K	3L /ha	Boom						25/10

- Transplant Date 26/8/2017, Harvest Pick 1: 16/12/2017, Harvest Pick 2: 23/12/18
- Beds Centre to Centre 3 m
- Bay configuration: 3 Seedless Melon Beds (Black), 1 Pollinator Bed (Red)
- 1 Drip line down the middle of each bed, 380 L /hr dripper (4 drips per bay)
- All the Tradecorp Products were sprayed using a boom sprayer at rate of 250 L /ha

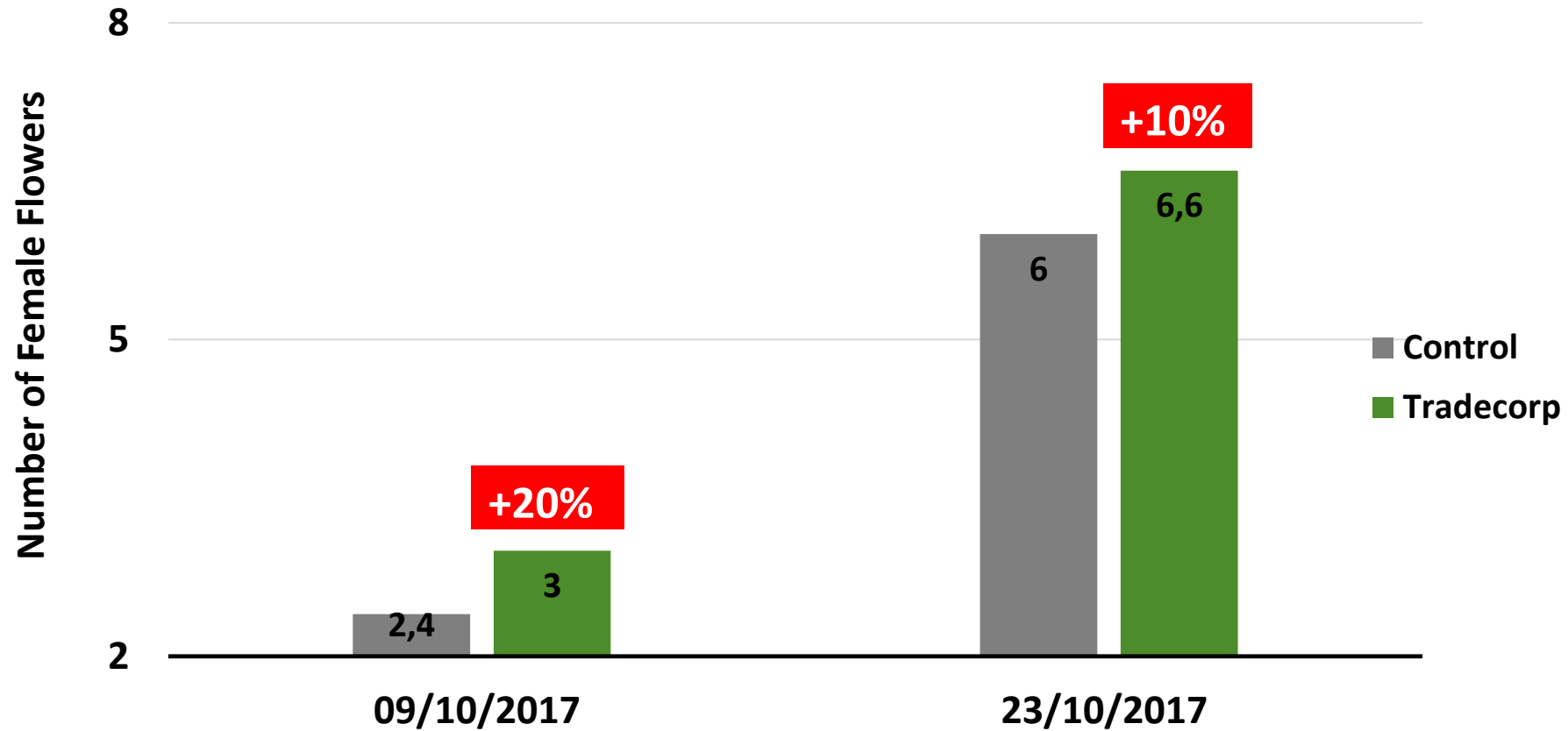


Drip 0.2 Ha



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Results – Female Flowers per vine



- Poor weather conditions between 9/10 and 23/10 resulted in lower pollination

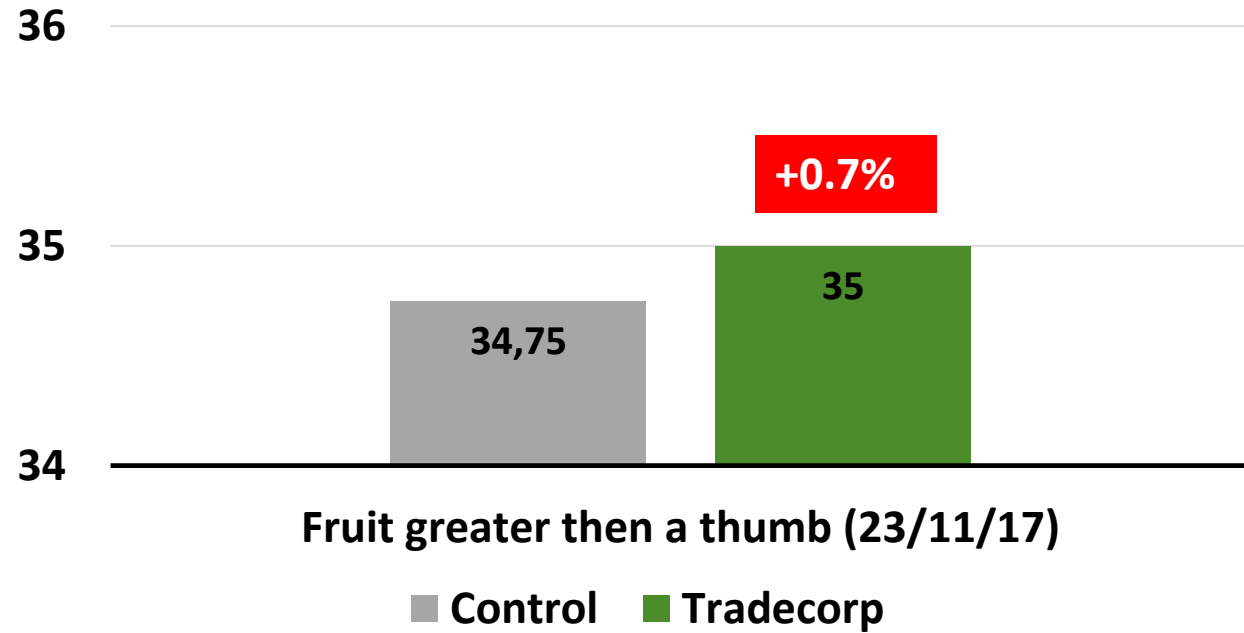
Results – Fruit greater than a 50mm



50mm Size Fruit

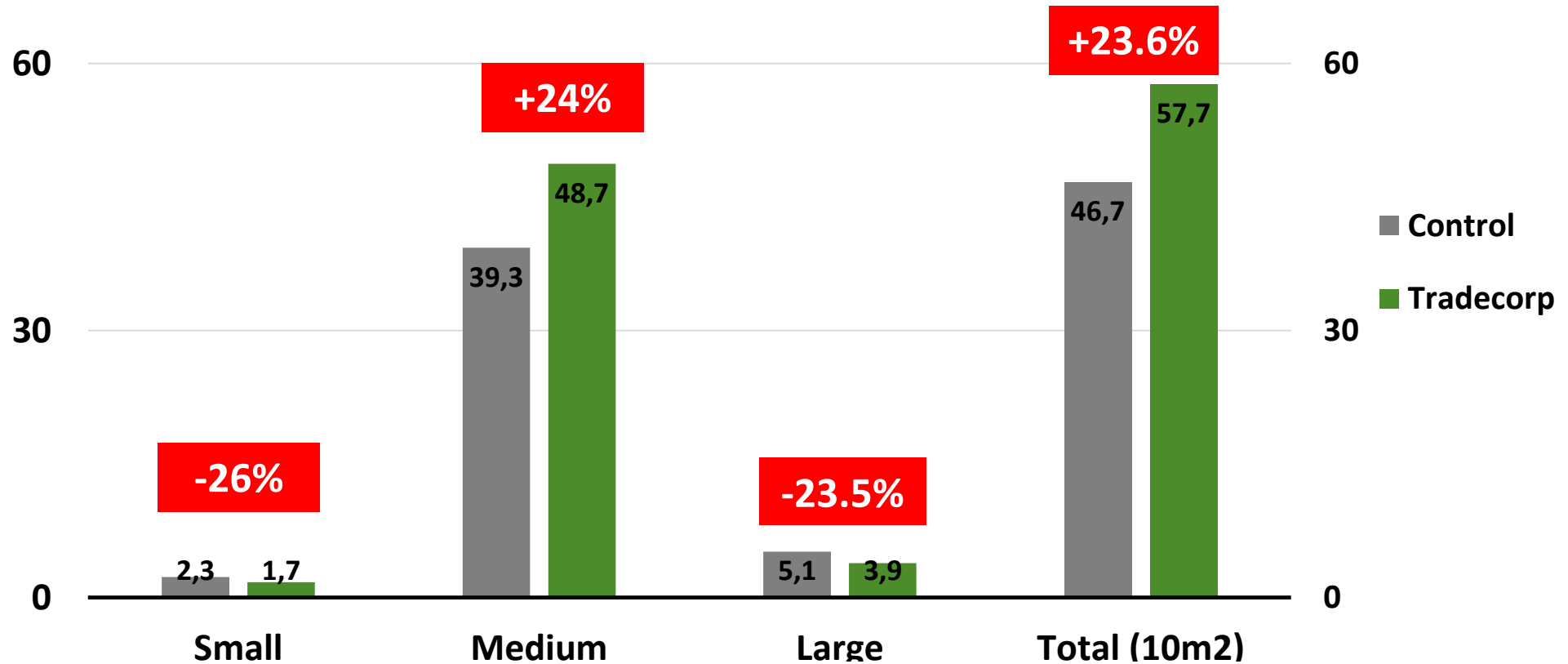


Medium Fruit



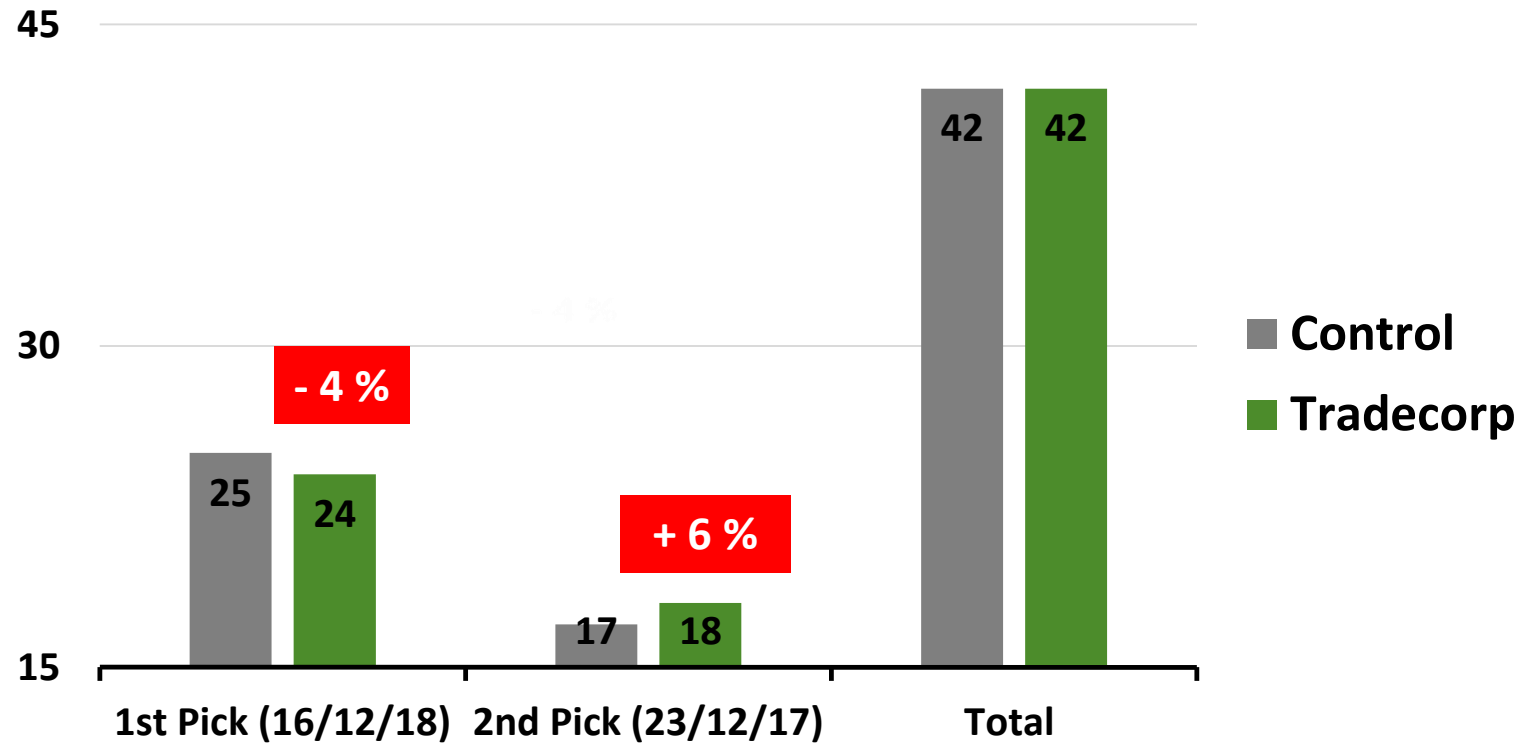
- All fruit > 50mm was measured
- The largest fruits on measurement date were ~18 cm

Results – Fruit 105 DAT



- Weather during the trial was over cast and windy which is not good for pollination
- The Tradecorp treated Area was able to resist the Stress of the unpredictable weather conditions and set more fruit
- Medium Sized Fruit was increased by 24% and Total Fruit Set by 17%

Results – Harvest



- There was no difference in number of Melons picked for the first two picks
- Yield (kg) was not determined due to time constraints, however it is expected that the Tradecorp treatment Melons would have weighed heavier based on previous experience
- Overall Melon yields were lower across the entire region in 2017

Conclusions

Tradecorp Watermelon Package:

Intake, Trafos Sinergy, Tradebor, Aton Mo, Systacal Plus and Amifol K:

- Increased 1st flush of Female flowers +20%
- Increased Female flowers 58 DAT increased +10 %
- At 105 DAT Fruit in the Medium Sized category +24%
- At 105 DAT Total Fruit Set +23.6%
- At harvest number of Melons picked in first 2 picks was even
- Yield (kg) was not calculated as melons were not weighed
- The watermelon crops across the region were well below expected yields due to adverse weather conditions

