

GLEN ELGIN

Hortgro Technical Symposium
Pome field day

Growing
Forward in a
Changing World



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Orchard Info

Variety:	Cripps Red
Rootstock:	MM109
Planted:	2019
Plant spacing (m):	3.5 x 1.25
Polliniser:	Mahana Red
Irrigation:	Micro
Soil:	Replant

Management

Young tree manipulation:	Trunk renewed 2020
Rest-breaking:	4% Dormex
Chemical thinning:	2023: 16ml Pomaxa (Full tree) 2024: 16ml Pomaxa + 150 Sevin 2025: 16ml Pomaxa + 150 Sevin 2026: 16ml Pomaxa + 150 Sevin (7 nozzles top)
Hand-thinning:	Clusters to 3's and clean leader
Irrigation (2026):	Fert Only - 6323m ³ Compost + Mulch + Fert - 4747m ³ Compost + Mulch - 6126m ³
Fertiliser:	Young tree fertiliser program on whole block until 2022 when trial started

Treatments

Fertiliser only
Fertiliser + compost + mulch
Compost + mulch only

Qty (m³)

Year	Compost	Mulch
2019	0	0
2020	0	0
2021	0	0
2022	60	120
2023	60	120
2024	30	60
2025	30	60

	Production (ton/ha)						
	2020	2021	2022	2023	2024	2025	cum.
Fertiliser only	-	0	0	35	31	70	137
Fertiliser + compost + mulch	-	0	0	40	36	85	161
Compost + mulch only	-	0	0	27	46	93	166
Block Ave (OR)	-	0	0	34	38	77	149

Leaf Analysis (2026)	N	P	K	Ca	Mg	Na	Mn	Fe	Cu	Zn	B
	%	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Fertiliser only	2.59	0.15	1.34	1.24	0.33	279	107	129	5.0	29.0	43.8
Fertiliser + compost + mulch	3.14	0.14	1.75	1.28	0.39	346	105	140	7.5	44.8	51.1
Compost + mulch only	2.45	0.15	1.28	1.26	0.33	362	129	155	7.3	29.6	42.6