

Table 1. Effect of Maxcel, NAA, PoMaxxa and ABA on Yield, Fruit Size and Fruit Quality of Gala/M.9 and McIntosh/M. 9 apple trees at Forrence Orchards, Peru, NY in 2012.

Var.	Treatment	Crop load (no/ cm² TCA)	Yield Eff. (kg/ cm² TCA)	Fruit No/ tree	Yield / tree (kg)	Yield / acre (bu)	Fruit Size (g)	Crop Value (\$/ acre)	Fruit Firm ness (lb)	Fruit Soluble Solids (%)	Fruit Starch Rating	Seed No/ fruit
Gala	Untreated Control	6.6	0.75	460.0	54.6	1516	118.8	2780	15.5	12.2	4.3	5.7
Gala	Fruitone L 7.5ppm + Sevin 600ppm	3.6	0.53	246.5	36.4	1011	147.7	5720	15.2	11.7	5.1	5.8
Gala	Maxcel 75ppm + Sevin 600ppm	3.4	0.42	240.4	30.8	856	133.3	2635	16.0	12.7	4.1	5.6
Gala	Maxcel 75ppm + Fruitone L 7.5ppm	2.0	0.30	186.0	26.8	745	143.1	3606	15.9	12.4	4.1	6.4
Gala	PoMaxxa 7.5ppm + Sevin 600ppm	2.6	0.38	178.0	27.4	762	151.8	4775	16.2	12.5	3.1	5.7
Gala	Maxcel 75ppm + PoMaxxa 7.5ppm	2.5	0.42	170.4	27.3	757	159.2	5398	15.8	12.6	4.6	5.6
Gala	Metamitron 300ppm	2.6	0.38	176.0	24.7	686	137.3	3275	16.2	12.8	3.5	5.9
LSD	P≤0.05	2.6	0.34	132.0	18.3	509	22.1	4117	1.0	1.0	1.5	1.1
Mac	Untreated Control	10.0	1.06	432.2	48.2	1339	111.0	1454	14.7	11.8	6.6	8.1
Mac	Fruitone L 5ppm + Sevin 600ppm	8.8	1.00	411.8	46.6	1296	113.4	1402	14.8	12.4	6.9	7.3
Mac	Maxcel 50ppm + Sevin 600ppm	5.5	0.70	371.6	48.8	1355	131.0	4954	14.8	12.0	5.3	7.4
Mac	Maxcel 50ppm + Fruitone L 5ppm	8.5	0.94	435.0	47.7	1324	110.5	1014	14.8	12.2	5.4	7.9
Mac	PoMaxxa 5ppm + Sevin 600ppm	8.1	0.88	361.0	39.2	1089	108.7	820	14.7	12.4	5.3	9.2
Mac	Maxcel 50ppm + PoMaxxa 5ppm	7.3	0.90	357.0	43.8	1217	122.5	2555	15.2	12.1	5.5	7.5
Mac	Metamitron 300ppm	7.8	0.88	392.2	45.7	1268	117.4	1778	14.9	12.9	5.8	7.3
Mac	Metamitron 150ppm	8.8	0.93	324.3	35.7	992	108.6	929	14.6	12.8	5.5	7.2
Mac	ABA 500ppm + Maxcel 50ppm	9.8	1.06	393.8	43.0	1194	110.4	1081	15.7	12.7	5.4	7.3
Mac	ACC 500ppm + Maxcel 50ppm @ 20mm fruit size	9.8	1.18	379.4	44.8	1243	119.4	1992	15.4	12.2	6.2	7.0
LSD	P≤0.05	3.0	0.29	89.1	10.8	299	16.7	2781	0.7	1.0	1.1	1.9

Table 5. Fruit drop control treatments of mature McIntosh/M.7 Central Leader trees at Forrence Orchards in 2012.

Trt N°	Treatment	Application Date	% 1st Pick	%2nd Pick	% Drop
1	Untreated control		34.2	31.5	34.2
2	Retain 333 g/acre plus Silwett L-77 0.1% v/v (Standard)	Aug. 15 2012	46.8	38.9	14.4
3	Retain 333 g/acre plus Silwett L-77 0.1% v/v plus NAA 10ppm	Aug. 29, 2012	52.5	32.2	15.4
4	Retain 167 g/acre plus Silwett L-77 0.1% v/v Retain 167 g/acre plus Silwett L-77 0.1% v/v plus NAA 10ppm	Aug. 15, 2012 Aug. 29, 2012	50.5	35.0	14.4
5	Retain 167 g/acre plus Silwett L-77 0.1% v/v plus NAA 10ppm	Aug. 29, 2012	52.9	27.3	19.8