



INCREASE WATERMELON YIELD AND REDUCE FERTILIZATION WITH A FULL TIMAC AGRO PROGRAM

RESEARCHER:
Jordan Martin
Timac Agro USA

SITE LOCATION:
Lancaster County, PA
Watermelon

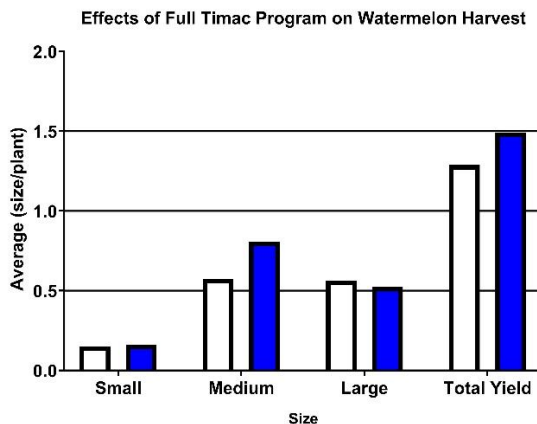
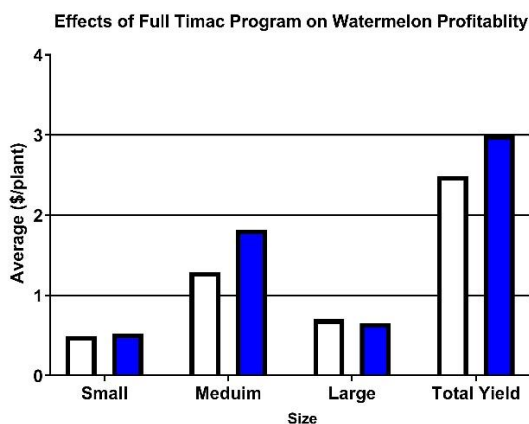
PURPOSE AND HYPOTHESIS

The purpose of this experiment is to run a head to head comparison of our program vs Miller Chemical. These trials were enacted to evaluate program efficacy.

APPLICATION

PROGRAM	PRODUCTS
Grower Standard	Miller Chemical Program
Timac Agro program	KSC, Fertiactyl, Fertileader (based on tissue testing)

RESULTS



Graph 1 & 2: Program effects on watermelon yield. Timac Agro’s program yielded higher.

KEY FINDINGS:

A field of watermelons was split with the Miller chemical program on one side and the Timac Agro program on the other. The Timac program consisted of Fertiactyl, KSC and Fertileader as needed by the leaf tissue samples. The yield was counted, and sized and then averaged on a per plant basis to make all things equal as the sides of field were not identical in acreage.



Price per plant: Adjusted to 2200 plants/acre

Miller Chemical

Large	0.1505	X \$3.25	0.489	
Medium	0.5748	X \$2.25	1.293	
Small	0.5622	X \$1.25	0.703	
Total	1.2875 melons/plant		\$2.485/plant	\$5467.00/acre

Timac Agro

Large	0.1604	X \$3.25	0.521	
Medium	0.8089	X \$2.25	1.82	
Small	0.5228	X \$1.25	0.654	
Total	1.4921 melons/plant		\$2.995/plant	\$6589.00/acre <u>+\$1122.00/acre more</u>

Timac Agro fertilizer increased total yield and size in watermelons. The estimated return on the investment was over \$1000 per acre.