

Hamilton County Peanut Fungicide On-Farm Trial Introduction

The 2016 Hamilton County Peanut Fungicide On-Farm Trial was organized by UF/IFAS Hamilton County Agriculture Extension Agent Keith Wynn and UF/IFAS Extension Plant Pathologist, Dr. Nicholas Dufault, in a commercial peanut field in Hamilton County. The efficacy of four fungicide programs for the control of foliar and soil borne diseases in peanut production were compared. Yield and quality were measured on peanuts harvested from plots consisting of 24 rows each and replicated 4 times.

This year the agro-chemical companies participating in the trial were Bayer, DuPont, Syngenta with proline at planting, and Syngenta without proline. Each of the agro-chemical companies products were applied approximately every 14 days starting 50 days after planting. In this trial peanuts were planted on May 24, 2016 and harvested on October 19, 2016 using the cooperating producer's equipment.

Chemical	Average Yield Per Acre	Price Per Ton Based on Grade	Price per Acre Based on Grade
Bayer	5645	368.56	1040
Syngenta 1 / No Proline	5769	368.56	1063
Syngenta 2	5484	366.50	1005
Dupont	5767	367.20	1059

Plant Date	05/24/2016
Inverted Date	10/13/2016
Harvest Date	10/19/2016

Note: Prices are based on the 2016 Peanut Price Schedule.
Yield represents pounds per acre.
This On-Farm trial is used for demonstration only,
statistical significance has not been analyzed.

Spray Program

	05/24/2016	07/13/2016	07/27/2016	08/10/2016	08/23/2016	09/07/2016	09/23/2016
Bayer	Proline (5.7 oz/A) Abound (18 oz/A)	Chlorothalonil (24 oz/A)	ProvostOpti (10.7 oz/A)	Chlorothalonil (24 oz/A)	ProvostOpti (10.7 oz/A)	ProvostOpti (10.7 oz/A)	Chlorothalonil (24 oz/A)
Syngenta 1	No Proline Abound (18 oz/A)	BravoWS (24 oz/A)	Elatus (9.5 oz/A)	BravoWS (24 oz/A)	Elatust (9.5 oz/A)	Alto (5.5 oz/A) BravoWS (24 oz/A)	BravoWS (24 oz/A)
Syngenta 2	Proline (5.7 oz/A) Abound (18 oz/A)	BravoWS (24 oz/A)	Elatus (9.5 oz/A)	BravoWS (24 oz/A)	Elatust (9.5 oz/A)	Alto (5.5 oz/A) BravoWS (24 oz/A)	BravoWS (24 oz/A)
DuPont	Proline (5.7 oz/A) Abound (18 oz/A)	Tebuconazole (7.2 oz/A) Chlorothalonil (16 oz/A)	Fontelis (16 oz/A)	Fontelis (16 oz/A)	Fontelisi (16 oz/A)	Chlorothalonil (24 oz/A)	Chlorothalonil (24 oz/A)

