

## Hamilton County Peanut Fungicide On-Farm Trial Introduction

The 2015 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, Syngenta, DuPont, and BASF. Each of the agro-chemical companies products were applied approximately every 14 days starting 37 days after planting. In this trial peanuts were planted on May 25, 2015 and harvested on October 15, 2015 using the cooperating producer's equipment.

Chemical	Average Yield Per Acre	Price Per Ton Based on Grade	Price per Acre Based on Grade
Bayer	6409	368.80	1182
Syngenta	6010	370.32	1113
BASF	6363	374.09	1190
Dupont	6247	368.76	1152

Plant Date	05/25/2015
Inverted Date	10/09/2015
Harvest Date	10/15/2015

Note: Prices are based on the 2015 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

	05/25/2015	07/01/2015	07/17/2015	07/31/2015	08/13/2015	08/27/2015	09/09/2015	09/25/2015
Bayer	Proline (5.7 fl oz/a)	Tilt Bravo (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Provost (10.7 fl oz/a)	Provost (10.7 fl oz/a)	Chlorothalonil (24 fl oz/a)	Provost (10.7 fl oz/a)	Tilt Bravo (24 fl oz/a)	Chlorothalonil (24 fl oz/a)
Syngenta	Proline (5.7 fl oz/a)	Tilt Bravo (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Tilt Bravo (24 fl oz/a)	Abound (18 fl oz/a) & Alto (5.5 fl oz/a)	BRAVO WS (24 fl oz/a)	Abound (18 fl oz/a) & Alto (5.5 fl oz/a)	Tilt Bravo (24 fl oz/a)	BRAVO WS (24 fl oz/a)
DuPont	Proline (5.7 fl oz/a)	Tilt Bravo (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Fontelis (18 fl oz/a)	Chlorothalonil (24 fl oz/a)	Fontelis (18 fl oz/a)	Chlorothalonil (24 fl oz/a)	Fontelis (18 fl oz/a)	Chlorothalonil (24 fl oz/a)
BASF	Proline (5.7 fl oz/a)	Tilt Bravo (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Priaxor (6 fl oz/a)	Chlorothalonil (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Priaxor (8 fl oz/a)	Chlorothalonil (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Chlorothalonil (24 fl oz/a) & Monsoon (7.2 fl oz/a)	Chlorothalonil (24 fl oz/a) & Monsoon (7.2 fl oz/a)

