



2015 Cotton Harvest Aid Evaluation Tom Green County Irrigated

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2015 Harvest Aid Evaluation Tom Green Co - Irrigated

Trt No.	Treatment Name	Rate	Rate Unit	Total Product Price/acre	7 Day			14 Day			
					% Def	% DES	% GL	% Def	% DES	% GL	% Regrowth
1	Ginstar	4fl oz/a		\$7.91	30	15	55	65	15	20	30
1	Ethephon	16fl oz/a									
1	Non-Ionic Surfactant	0.25% v/v									
2	Ginstar	5fl oz/a		\$9.10	30	15	55	60	15	25	50
2	Ethephon	16fl oz/a									
2	Non-Ionic Surfactant	0.25% v/v									
3	Ginstar	6fl oz/a		\$10.30	35	15	50	70	20	10	30
3	Ethephon	16fl oz/a									
3	Non-Ionic Surfactant	0.25% v/v									
4	Ginstar	5fl oz/a		\$15.41	35	15	50	60	15	25	50
4	Finish 6 Pro	16fl oz/a									
4	Non-Ionic Surfactant	0.25% v/v									
5	Ginstar	5fl oz/a		\$12.26	35	15	50	65	15	20	30
5	Ethephon	8fl oz/a									
5	Finish 6 Pro	8fl oz/a									
5	Non-Ionic Surfactant	0.25% v/v									
6	Adios	4fl oz/a		\$6.31	25	10	65	50	15	35	30
6	Ethephon	16fl oz/a									
6	Non-Ionic Surfactant	0.25% v/v									

Application

2015 Harvest Aid Evaluation Tom Green Co Irrigated Application Information	
Application Dates:	9/24/2015
App. Code A:	
Cooperator:	Doug Wilde
GPS Coord. 31° 26' 13.71" N, 100° 22' 22.72" W	Outside East Loop 306
Variety:	FM 2334 B2RF
Time:	5:45-6:15 pm
Temp (°F):	86
% RH:	37%
Wind Speed (mph) & Direction	5 mph out of East
Row Spacing("):	40"
Plot width (rows)	4
Plot length	120 feet
% Open	80%
Plant Height (mean inches)	20-30"
Sprayer Information	Spider Sprayer
	11 gpa / 11002 Turbo Teejet
	32 psi
	4 mph

Climate

DAILY TEMPERATURES			
Date	Low	High	GDD 60
9/23/2015	67	92	0
9/24/2015	66	90	18
9/25/2015	70	93	21.5
9/26/2015	58	92	15
9/27/2015	60	91	15.5
9/28/2015	58	90	14
9/29/2015	57	90	13.5
9/30/2015	59	92	15.5
10/1/2015	62	95	18.5
10/2/2015	58	85	11.5
10/3/2015	58	85	11.5
10/4/2015	60	80	10
10/5/2015	63	83	13
10/6/2015	51	87	9
10/7/2015	57	88	12.5
10/8/2015	65	82	13.5
10/9/2015	65	79	12
		Total	164.5
Rain			
10/8/2015	0.9		
10/9/2015	0.9		
Total	1.9	inches	

7 Day Summary

Plant had blooms in the top nodes indicating that they still had soil moisture. Overall plants were compact and well managed.

- The Ginstar and Adios treatments averaged 30% defoliation, typical of 7 days after treatment. Addition of 8 fl oz of Finish 6 Pro appeared to improve performance compared to ethephon alone. Ginstar treatments with the proprietary ingredient and an SC formulation scored better than the Adios EC formulation of “Dropp” and diuron.
- The PPO treatments were all similar with 15 and 20 percent defoliated. Sharpen appeared slightly better but is higher cost. ETX was not evaluated in this trial
- The traditional Folex and ethephon treatment performed midway between the Ginstar and PPO treatments
- Of the two “kitchen sink” mixes Ginstar and Finish performed better than the Folex mix.



7 Day Rating

% Defoliation	30
% Desiccation	15
% Green Leaf	55

Treatment Name

Ginstar
Ethephon
Non-Ionic Surfactant

Rate

4
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation	30
% Desiccation	15
% Green Leaf	55

Treatment Name

Ginstar
Ethephon
Non-Ionic Surfactant

Rate

5
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation	35
% Desiccation	15
% Green Leaf	50

Treatment Name

Ginstar
Ethephon
Non-Ionic Surfactant

Rate

6
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation 35
% Desiccation 15
% Green Leaf 50

Treatment Name

Ginstar
Finish 6 Pro
Non-Ionic Surfactant

Rate

5
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation 35
% Desiccation 15
% Green Leaf 50

Treatment Name

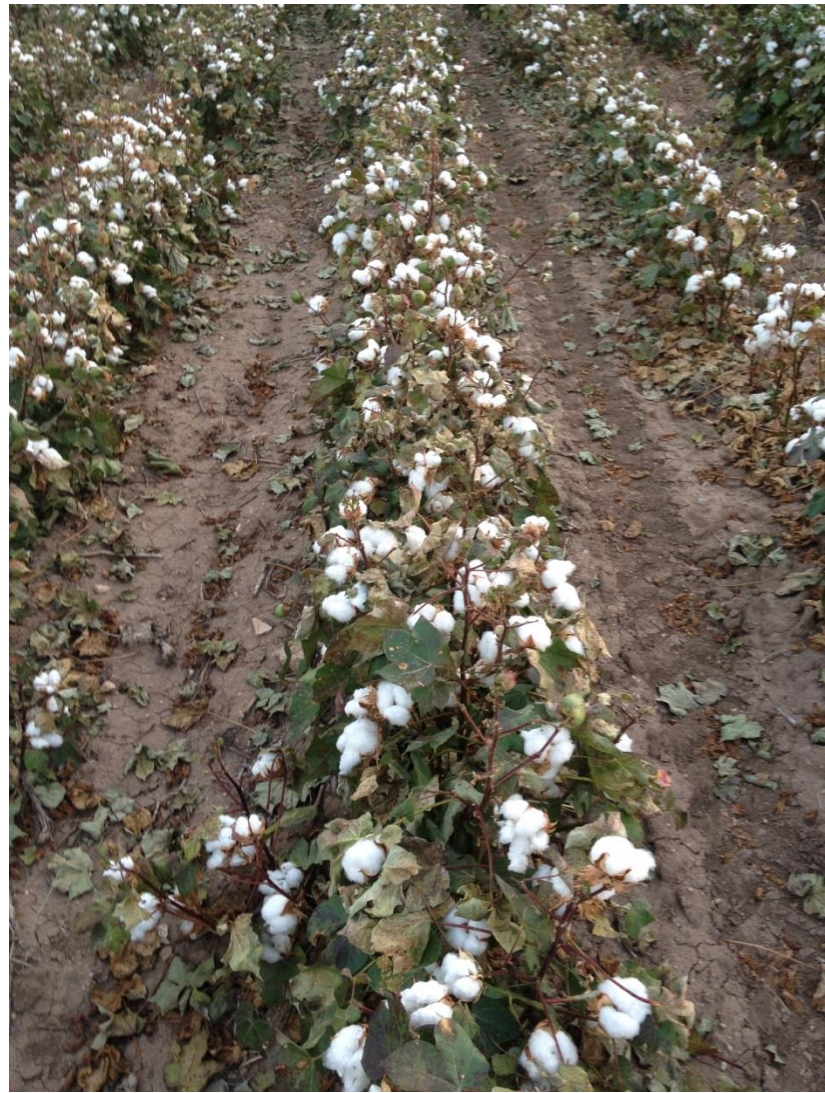
Ginstar
Ethephon
Finish 6 Pro
Non-Ionic Surfactant

Rate

5
8
8
0.25%

Rate Unit

fl oz/a
fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation	25
% Desiccation	10
% Green Leaf	65

Treatment Name

Adios
Ethephon
Non-Ionic Surfactant

Rate

4
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation 15
 % Desiccation 20
 % Green Leaf 65

Treatment Name

AIM
 Ethephon
 Crop Oil Concentrate

Rate

1
 16
 1%

Rate Unit

fl oz/a
 fl oz/a
 v/v



7 Day Rating

% Defoliation	15
% Desiccation	25
% Green Leaf	60

Treatment Name

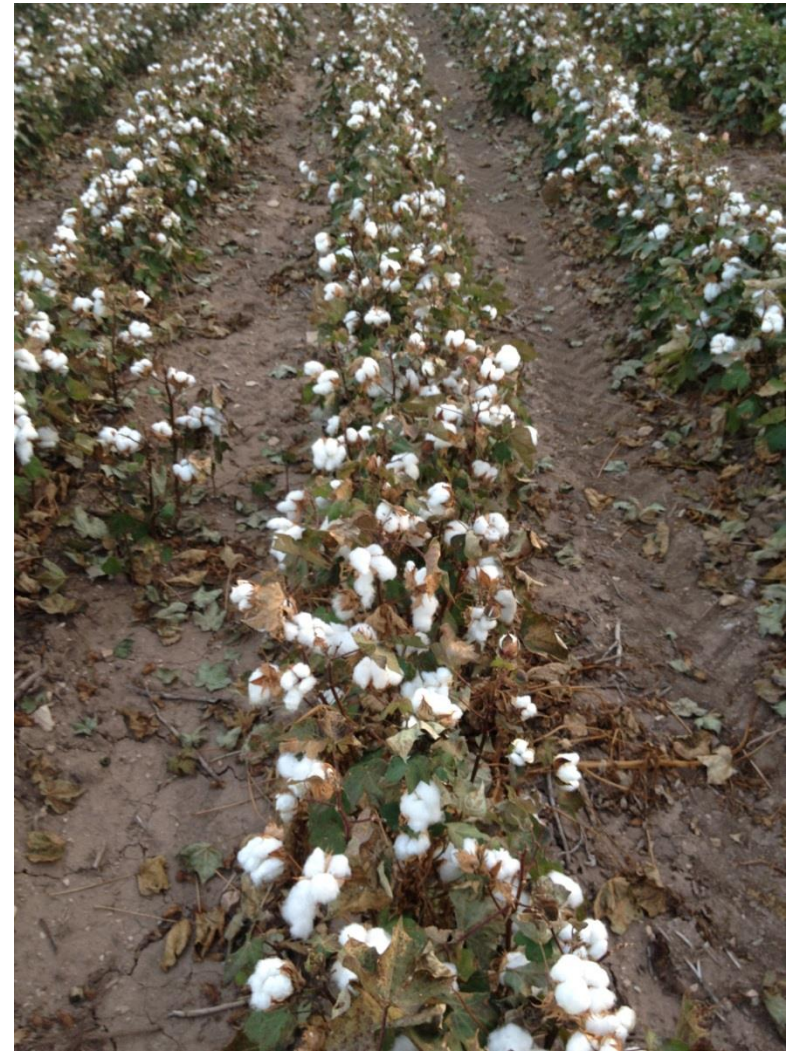
Display
Ethephon
Crop Oil Concentrate

Rate

0.8
16
1%

Rate Unit

fl oz/a
fl oz/a
v/v



7 Day Rating

% Defoliation 20
% Desiccation 20
% Green Leaf 60

Treatment Name

Sharpen
Ethephon
MSO
Request

Rate

1
16
1%
0.5%

Rate Unit

fl oz/a
fl oz/a
v/v
v/v



7 Day Rating

% Defoliation	20
% Desiccation	20
% Green Leaf	60

Treatment Name

Ethephon
 Folex
 Non-Ionic Surfactant

Rate

16
 16
 0.25%

Rate Unit

fl oz/a
 fl oz/a
 v/v



7 Day Rating

% Defoliation 10
 % Desiccation 55
 % Green Leaf 35

Treatment Name

Gramozone "3"
 Folex
 Ethephon
 Crop Oil Concentrate

Rate

4
 8
 16
 1%

Rate Unit

fl oz/a
 fl oz/a
 fl oz/a
 v/v



7 Day Rating

% Defoliation 20
 % Desiccation 40
 % Green Leaf 40

Treatment Name

Ginstar
 Gramoxone "3"
 Ethephon
 Finish
 Non-Ionic Surfactant

Rate

3
 3
 8
 8
 1%

Rate Unit

fl oz/a
 fl oz/a
 fl oz/a
 fl oz/a
 v/v

14 Day Summary

Plant had blooms in the top nodes indicating that they still had soil moisture. Overall plants were compact and well managed.

- The Ginstar and Adios treatments averaged 65% defoliation, a little lower than expected 14 days after treatment. Addition of 8 fl oz of Finish 6 Pro appeared to improve performance compared to ethephon alone or Finish 6 alone but this may have been just a factor of the field. Ginstar treatments with the proprietary ingredient and an SC formulation scored better than the Adios EC formulation of “Dropp” and diuron.
- The PPO treatments were all similar with 20 to 30 percent defoliated. Aim and Sharpen appeared slightly better for defoliation but were a tick below Display on regrowth. ETX the other PPO on the market was not evaluated in this trial
- The traditional Folex and ethephon treatment performed midway between the Ginstar and PPO treatments
- Of the two “kitchen sink” mixes Ginstar, Finish, Gramoxone performed better than the Folex , Gramoxone mix.



14 Day Rating

% Defoliation	65
% Desiccation	15
% Green Leaf	20
% Regrowth	30

Treatment Name

Ginstar
Ethephon
Non-Ionic Surfactant

Rate

4
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	60
% Desiccation	15
% Green Leaf	25
% Regrowth	50

Treatment Name

Ginstar
Ethephon
Non-Ionic Surfactant

Rate

5
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	70
% Desiccation	20
% Green Leaf	10
% Regrowth	30

Treatment Name

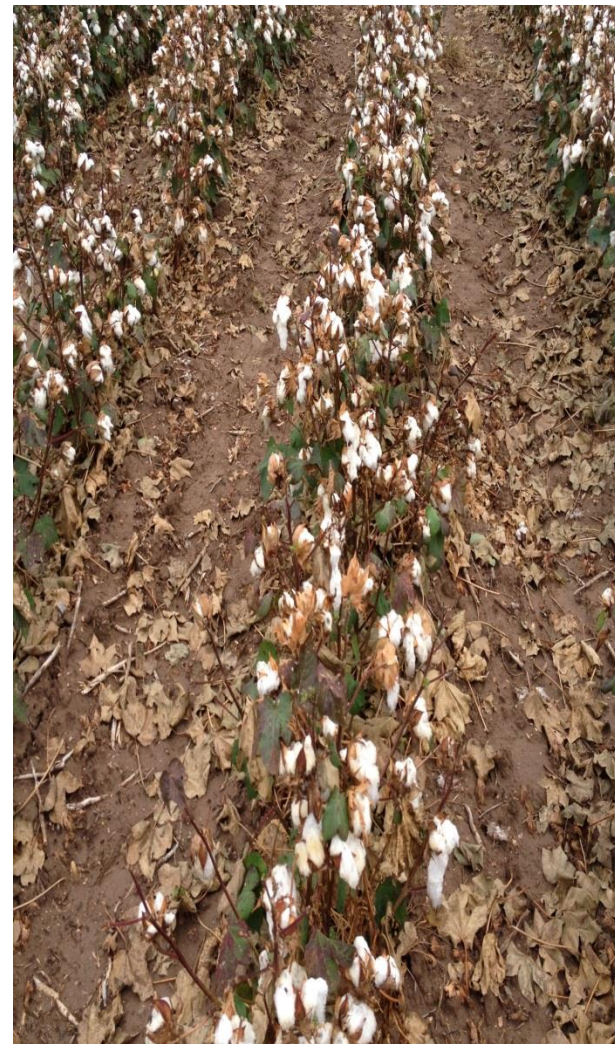
Ginstar
Ethephon
Non-Ionic Surfactant

Rate

6
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	60
% Desiccation	15
% Green Leaf	25
% Regrowth	50

Treatment Name

Ginstar
 Finish 6 Pro
 Non-Ionic Surfactant

Rate

5
 16
 0.25%

Rate Unit

fl oz/a
 fl oz/a
 v/v



14 Day Rating

% Defoliation	65
% Desiccation	15
% Green Leaf	20
% Regrowth	30

Treatment Name

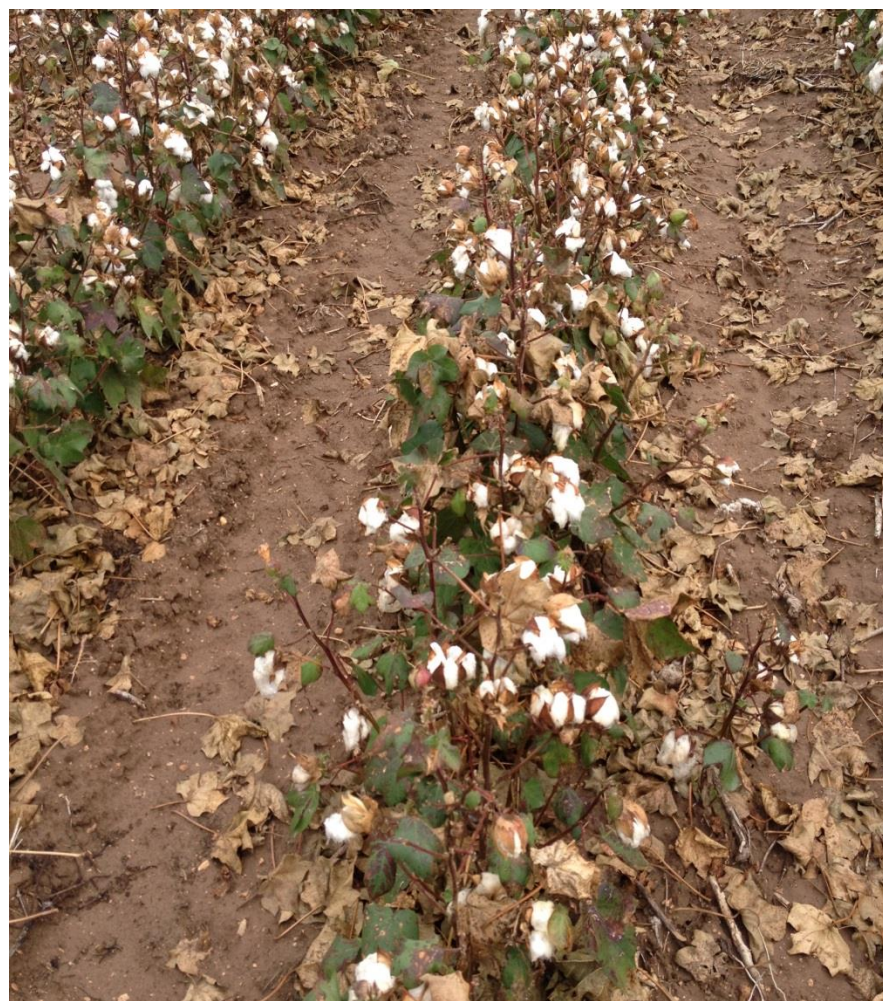
Ginstar
Ethephon
Finish 6 Pro
Non-Ionic Surfactant

Rate

5
8
8
0.25%

Rate Unit

fl oz/a
fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	50
% Desiccation	15
% Green Leaf	35
% Regrowth	30

Treatment Name

Adios
Ethephon
Non-Ionic Surfactant

Rate

4
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	30
% Desiccation	30
% Green Leaf	40
% Regrowth	70

Treatment Name

AIM
Ethephon
Crop Oil Concentrate

Rate

1
16
1%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	20
% Desiccation	30
% Green Leaf	50
% Regrowth	60

Treatment Name

Display
Ethephon
Crop Oil Concentrate

Rate

0.8
16
1%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	25
% Desiccation	35
% Green Leaf	40
% Regrowth	70

Treatment Name

Sharpen
 Ethephon
 MSO
 Request

Rate

1
 16
 1%
 0.5%

Rate Unit

fl oz/a
 fl oz/a
 v/v
 v/v



14 Day Rating

% Defoliation	45
% Desiccation	15
% Green Leaf	40
% Regrowth	70

Treatment Name

Ethephon
Folex
Non-Ionic Surfactant

Rate

16
16
0.25%

Rate Unit

fl oz/a
fl oz/a
v/v



14 Day Rating

% Defoliation	15
% Desiccation	70
% Green Leaf	15
% Regrowth	90

Treatment Name

Gramoxone "3"
Folex
Ethephon
Crop Oil Concentrate

Rate

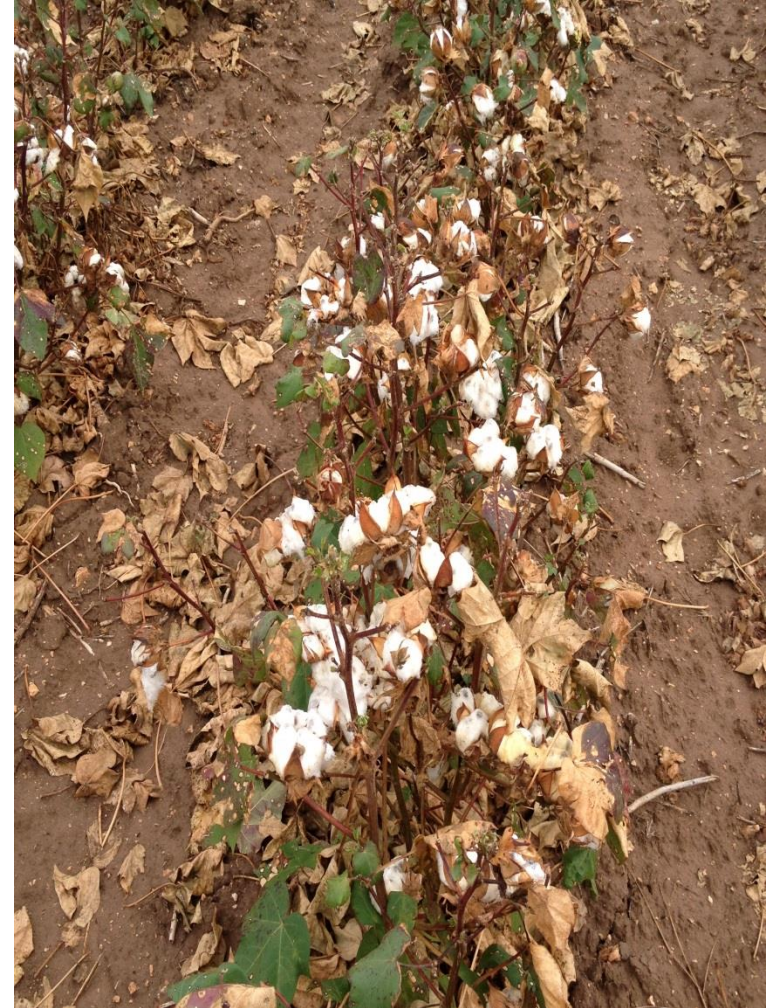
4
8
16
1%

Rate Unit

fl oz/a
fl oz/a
fl oz/a
v/v



Ginstar 3 oz/a
Gramoxone'3' 3 oz/a
Ethephon 8 oz/a
Finish 8 oz/a
NIS 1% v/v



14 Day Rating

% Defoliation 40
 % Desiccation 30
 % Green Leaf 30
 % Regrowth 70

Treatment Name

Ginstar
 Gramoxone "3"
 Ethephon
 Finish
 Non-Ionic Surfactant

Rate

3
 3
 8
 8
 1%

Rate Unit

fl oz/a
 fl oz/a
 fl oz/a
 fl oz/a
 v/v