R&D Round-up



R&D Round-up

- Trifecta
- Carrots
- New Hot Glue Technology
- New X Trials



- Commercial use in plasticulture
- Several Watch Trials in Forest Nurseries
 - All have reported good results
- Pig Trademark Available
- See Perry or your TriEst Sales Rep!

Carrots

- 2012 25 Acres
- **2013 300 Acres**
- 2014 900+ Acres
- 70 lbs Pic+ at planting
- Do not use primed seed!
- Do not fumigate and plant if rain is forecast
- Good results with Northern Root Knot, Violet Root Rot, Pythium

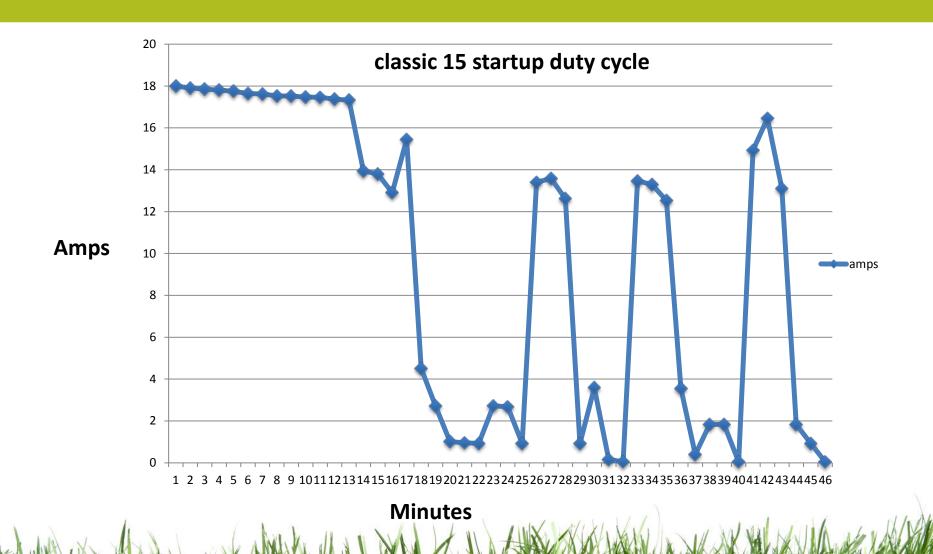




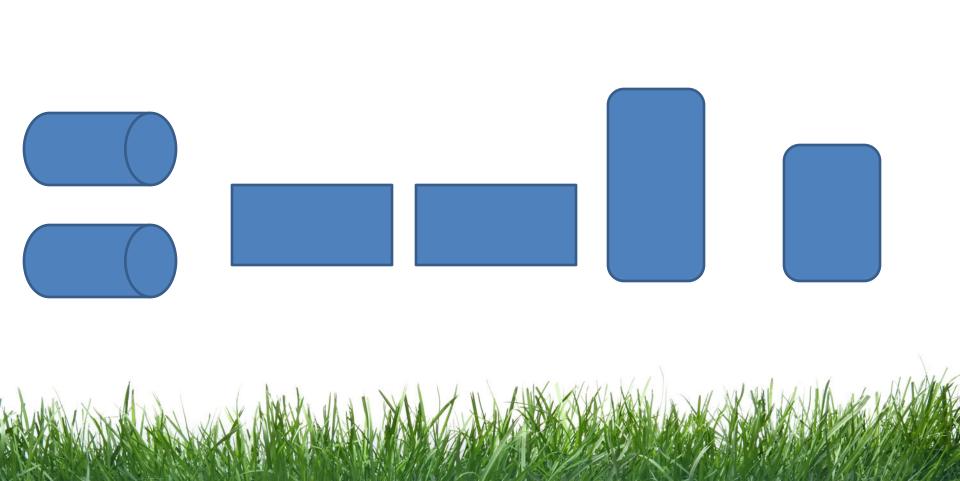
Alternator – Inverter Project

- Disadvantages of current Generators
 - Noise
 - Fueling
 - Weight and Size
 - High relative cost
- Advantages of Alternator Inverter
- Quiet
- Simplicity
- Should be extremely reliable

Alternator – Inverter Project



Alternator – Inverter Project



Alternator Setup

- Proposed setup
 - Double alternator
 - 24volts, 220 amps
 - Engine mounted
 - 2- 12 volt batteries
 - 10 KW inverter





New X Trials

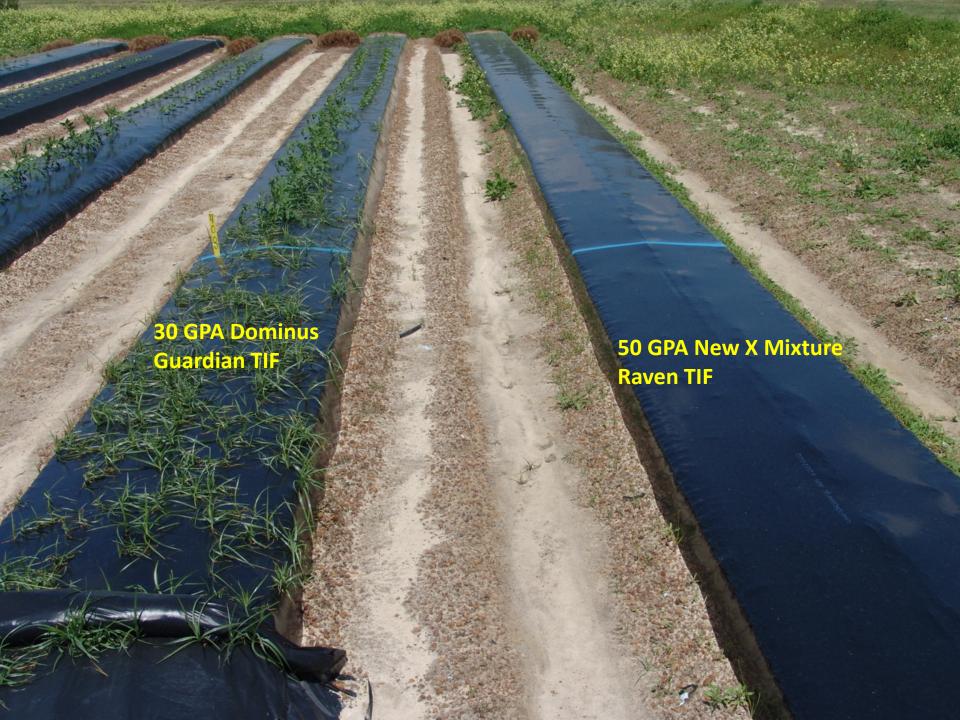
- Caladiums
- Forest Nursery Screening and Replicated Trials
 - Replicated Fall Trial
- Plasticulture Screening
- Pepper Trial August Replicated
- Turf Screening July 8
 - 2 Replicated Turf Trials

- 4/9/2014 Fumigated on 2/5/14
- Ponder Farm 34% Telone, 34% New X, 17%
 AITC, 15% Pic











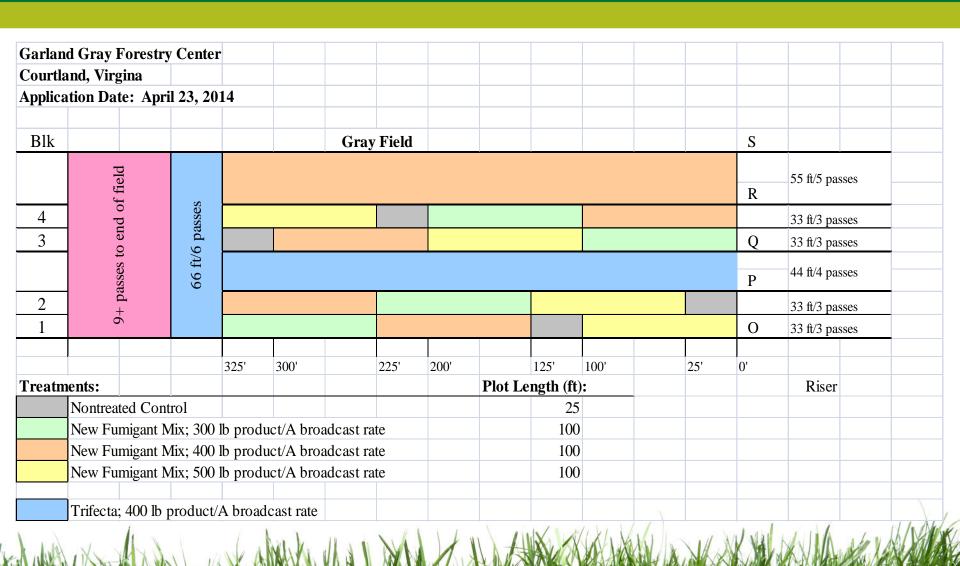
forestry

 50 gal/acre (420 lbs/acre) 65/35 by weight New X/CP

 45 gal/acre (414 lbs/acre) 40/30/30 by weight New X/CP/Telone

60 Gal/Ac 50/25/25 New X/Pic/AITC

Forestry 34% TII, 34%New X, 15% Pic, 17% AITC



Culpepper Trials August 2014

- Three formulations
- 1. 33.3% T2, 33.3% Pic, 33.3% New X
- 2. 50% Pic, 50% New X
- 3. 100% New X
- Nine New X treatments plus standards:
- 1. 400 lb of 33.3% T2, 33.3% Pic, 33.3% New X LDPE MULCH
- 2. 400 lb of 33.3% T2, 33.3% Pic, 33.3% New X TIF MULCH
- 3. 300 lb of 33.3% T2, 33.3% Pic, 33.3% New X LDPE MULCH
- 4. 300 lb of 33.3% T2, 33.3% Pic, 33.3% New X TIF MULCH
- 5. 300 lb of 50% Pic, 50% New X LDPE Mulch
- 6. 300 lb of 50% Pic, 50% New X TIF Mulch
- 7. 100% New X LDPE MULCH
- 8. 100% New X TIF MULCH
- 9. 300 lb of 33.3% T2, 33.3% Pic, 33.3% New X followed by Vapam 50 gallon shank injected LDPE MULCH
- 10. Non-treated
- 11. Standard 1
- 12 Standard 2

Turf Screening July 8

Rate		New X	TII	СР
1	400	40	40	20
2	300			
3	200			
Rate		50	50	0
4	400			
5	300			
6	200			
Rate		100		
7	400			
8	300			
9	200			
10	400	67	33	
11	300			
12	200			
13 Untreat	ed Con	trol		

June 2, 2014

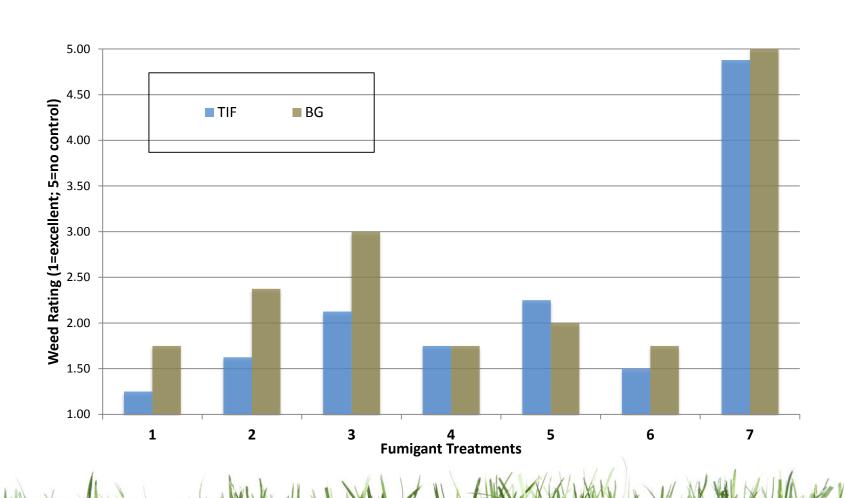
- Treatment 1: 415# 41% TII, 18% CP, 41% New X, 0% AITC
- Treatment 2: 330# 51% TII, 26% AITC, 23% CP, 0% New X
- Treatment 3: 330# 0% TII, 26% AITC, 23% CP, 51% New X
- Treatment 4: 435# 40% TII, 20% AITC, 0% CP, 40% New X
- Treatment 5: 500#34% TII,17% AITC, 15% CP, 34% New X
- Treatment 6: 600# New X Alone
- Treatment 7: Control

June 2, 2014

Treatment	Rate of Product Mix and Mix Components per acre (lb/A)						
Number	Total	Telone II	Dominus	PIC	New X		
1	415	170	0	75	170		
2	330	168	86	76	0		
3	330	0	86	76	168		
4	435	174	87	0	174		
5	500	170	85	75	170		
6	500	0	0	0	500		
7	Non-treated Control						



Weed Control Ratings - New X Trial Palmetto, FL June 2014













































Summary

- ♦ There was sufficient weed pressure in the field to document the impact of the fumigant treatments on weed control.
- ♦ Weed ratings were generally higher in the untarped areas compared to the tarped areas.
- The major emerged weeds were purple nutsedge and hairy indigo. Hairy Indigo New X populations were higher in treated areas than in non-treated areas indicating scarification of the seed.
- Treatments 1 and 6 had the lowest weed rating numbers of all treatments.
- Dominus in combination with other fumigants did not provide additional weed control.
- ♦ New X alone at 500 lb/A provided excellent weed control.

R&D

THANK YOU!