

# University of Tennessee

## Comparing Palmer amaranth efficacy with different nozzle systems

Trial ID: JSB-MMnozzles      Location: Jackson, TN    Trial Year: 2016  
 Protocol ID: JSB-MMnozzles    Investigator: Dr. Larry Steckel  
 Project ID:                              Study Director: Garret Montgomery  
     Sponsor Contact:

Trt No.	Treatment Type Name	Form Conc	Form Type	Rate Rate	Rate Unit	Appl Code	Rep 1	2	3	4	Notes
1	APPL Wilger UR APPL Pulse-Width Modulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	101	206	301	410	
2	APPL TeeJet TTI APPL Pressure Regulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	102	201	307	404	
3	APPL Wilger DR APPL Pulse-Width Modulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	103	209	306	409	
4	APPL TeeJet AIXR APPL Pressure Regulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	104	210	309	408	
5	APPL Wilger Y (DR+SR) APPL Pulse-Width Modulate HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	105	204	310	403	
6	APPL GreenLeaf TurboDrop-DF APPL Pressure Regulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	106	203	305	401	
7	APPL Lechler IDK 04 APPL Pressure Regulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	107	205	303	402	
8	APPL Lechler AD 04 APPL Pulse-Width Modulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	108	202	304	407	
9	APPL Wilger ER APPL Pulse-Width Modulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	109	208	302	405	
10	CHK Nontreated				A		110	207	308	406	

Sort Order: Replicate 1

### General Trial Information

**Study Director:** Garret Montgomery  
**Investigator:** Dr. Larry Steckel  
  
**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Contacts

**Study Director:** Garret Montgomery  
**Investigator:** Dr. Larry Steckel

### Site and Design

**Treated Plot Width:** 6.33 FT  
**Treated Plot Length:** 20 FT  
**Treated Plot Area:** 126.6 FT<sup>2</sup>    **Treatments:** 10  
**Replications:** 4                              **Study Design:** RACOB L Randomized Complete Block (RCB)

### Application Description

	<b>A</b>
<b>Application Method:</b>	SPRAY

### Application Equipment

	<b>A</b>
<b>Appl. Equipment:</b>	Mud Master

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5	APPL Wilger Y (DR+SR) APPL Pulse-Width Modulate HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	105	208	307	405	
6	APPL GreenLeaf TurboDrop-DF APPL Pressure Regulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	106	205	309	406	
7	APPL GreenLeaf TurboDrop-XL APPL Pressure Regulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	107	202	308	407	
8	APPL Wilger ER APPL Pulse-Width Modulated HERB LIBERTY 280	2.34	SL	32 fl oz/a	A	A	108	204	301	408	
9	CHK Nontreated						109	203	304	409	

Sort Order: Replicate 1

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**Conducted Under GEP:** No

### Contacts

**Study Director:** Garret Montgomery  
**Investigator:** Dr. Larry Steckel

### Site and Design

**Treated Plot Width:** 6.33 FT  
**Treated Plot Length:** 20 FT  
**Treated Plot Area:** 126.6 FT<sup>2</sup>    **Treatments:** 9  
**Replications:** 4

**Study Design:** RACOB L Randomized Complete Block (RCB)

### Application Description

	<b>A</b>
<b>Application Method:</b>	SPRAY

### Application Equipment

	<b>A</b>
<b>Appl. Equipment:</b>	Mud Master