

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

### General Trial Information

**Study Director:** Anthony Dobbels  
**Investigator:** Dr. Mark M. Loux

**Trial Status:** E established

**ARM Trial Created On:** Nov-18-2019

### Trial Location

**Address (Location):** 7721 South Charleston Pike  
**City:** South Charleston **Country:** USA United States  
**State/Prov.:** Ohio  
**Postal Code:** 45368

**Latitude of LL Corner °:** 39.85879 N  
**Longitude of LL Corner °:** -83.67204 W  
**Altitude of LL Corner:** 1091.00 FT

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Contacts

**Study Director:** Anthony Dobbels

**Investigator:** Dr. Mark M. Loux

### Crop Description

<b>Crop 1:</b> C	ZEAMX Zea mays	Corn	<b>BBCH Scale:</b> BCOR
<b>Entry Date:</b>	May-8-2020	<b>Stage Scale:</b>	BBCH
<b>Variety:</b>	Seed Consultants SCS1105AM		
<b>Attributes:</b>	Glyphosate Glufosinate Tolerance		
<b>Planting Date:</b>	May-7-2020	<b>Planting Rate:</b>	32097 S/A
<b>Depth:</b>	2 IN	<b>Planting Method:</b>	PLANTD planted
<b>Rows per Plot:</b>	4	<b>Planting Equipment:</b>	FPP finger pickup planter
<b>Row Spacing:</b>	30 IN	<b>Seed Bed:</b>	MEDTRA medium/trashy
<b>Soil Temperature:</b>	48 F	<b>Soil Moisture:</b>	NORMAL normal, adequate
<b>Emergence Date:</b>	May-21-2020		
<b>Harvest Date:</b>	Oct-14-2020	<b>Harvest Equipment:</b>	Kincaid 8XP
<b>Moisture Meter:</b>	Harvest Master	<b>Harvested Width:</b>	5 FT
<b>% Standard Moisture:</b>	15.5	<b>Harvested Length:</b>	30 FT
<b>Weighing Equipment:</b>	Harvest Master HM800		

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

### Pest Description

**Pest 1 Type:** W **Code:** LAMPU *Lamium purpureum*  
**Common Name:** Purple deadnettle **Entry Date:** Nov-20-2019

**Pest 2 Type:** W **Code:** STEME *Stellaria media*  
**Common Name:** Common chickweed **Entry Date:** Nov-20-2019

**Pest 3 Type:** W **Code:** TAROF *Taraxacum officinale*  
**Common Name:** Blowball **Entry Date:** Nov-20-2019

**Pest 4 Type:** W **Code:** CARPE *Cardamine pensylvanica*  
**Common Name:** Pennsylvania bittercress **Entry Date:** Nov-20-2019

**Pest 5 Type:** W **Code:** CAPBP *Capsella bursa-pastoris*  
**Common Name:** Shepherd's purse **Entry Date:** May-8-2020

**Pest 6 Type:** W **Code:** RANAB *Ranunculus abortivus*  
**Common Name:** Smallflower buttercup **Entry Date:** May-8-2020

**Pest 7 Type:** W **Code:** VERAG *Veronica agrestis*  
**Common Name:** Field speedwell **Entry Date:** May-8-2020

**Pest 8 Type:** W **Code:** DRBSS *Draba sp.*  
**Common Name:** Whitlow-grass **Entry Date:** May-8-2020

**Pest 9 Type:** W **Code:** AMBTR *Ambrosia trifida*  
**Common Name:** Giant ragweed **Entry Date:** May-8-2020

**Pest10 Type:** W **Code:** SETFA *Setaria faberi*  
**Common Name:** Giant foxtail **Entry Date:** May-28-2020

**Pest11 Type:** W **Code:** CHEAL *Chenopodium album*  
**Common Name:** common lambsquarters **Entry Date:** May-28-2020

**Pest12 Type:** W **Code:** ERICA *Erigeron canadensis*  
**Common Name:** Canada horseweed **Entry Date:** May-28-2020

**Pest13 Type:** W **Code:** ABUTH *Abitilon theophrasti*  
**Common Name:** velvetleaf **Entry Date:** Jun-9-2020

### Site and Design

**Treated Plot Width:** 10 FT **Site Type:** FIELD field  
**Treated Plot Length:** 30 FT **Experimental Unit:** 1 PLOT plot  
**Treated Plot Area:** 300 FT<sup>2</sup> **Treatments:** 10 **Tillage Type:** NOTILL no-till  
**Replications:** 3 **Study Design:** RACOB L Randomized Complete Block (RCB)

### Previous

**No. Crop Year**  
 1. SOYBEAN 2019

### Soil Description

**Description Name:** F-9 West  
**% Sand:** 32 **% OM:** 1.6 **Texture:** SICL silty clay loam  
**% Silt:** 53 **pH:** 6 **Soil Name:** Crosby  
**% Clay:** 15 **CEC:** 8.6 **Fert. Level:** G good  
**Soil Drainage:** G good

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

### Application Description

	A	B	C	D	E
Application Date	Nov-20-2019	May-7-2020	May-27-2020	Jun-9-2020	Jun-18-2020
Appl. Start Time	10:00 AM	10:00 AM	10:00 AM	8:00 AM	8:30 AM
Appl. Stop Time	10:15 AM	10:30 AM	10:30 AM	8:30 AM	9:00 AM
Interval to Prev. Appl.		169 DAYS	20 DAYS	13 DAYS	9 DAYS
Application Method	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing	FALL	PRE	EPO	POST	POST
Application Placement	BROFOL	BROFOL	BROFOL	BRODFOL	BRODFOL
Applied By	Dobbels	Lamb	Dobbels	Ackley	Loux
Appl. Entry Date	Nov-20-2019	May-8-2020	May-28-2020	Jun-9-2020	Jun-22-2020
Air Temperature Start, Stop	43 43 F	55 55 F	73 75 F	69 69 F	67 67 F
% Relative Humidity Start, Stop	72 72	51 51	78 78	64 64	79 79
Wind Velocity+Dir. Start	3 MPH WNW	8 MPH WSW	7 MPH SSE	8 MPH ESE	3 MPH NE
Wind Velocity+Dir. Stop	3 MPH WNW	8 MPH WSW	7 MPH SSE	8 MPH ESE	3 MPH NE
Wind Velocity+Dir. Max	3 MPH WNW	10 MPH WSW	7 MPH SSE	8 MPH ESE	3 MPH NE
Wet Leaves (Y/N)	N no	N no	N no	N no	N no
Soil Temperature	39 F	48 F	72 F	68 F	68 F
Soil Moisture	MOIST	NORMAL	DRY	DRY	DRY
Soil Surface Condition	MEDTRA	MEDTRA	MEDTRA	MEDTRA	MEDTRA
% Cloud Cover	60	0	15	15	70
Next Moisture Occurred On	Nov-22-2019	May-8-2020	May-28-2020	Jun-10-2020	Jun-18-2020
Time to Next Moisture	2 DAY	24 HR	16 HR	10 HR	5 HR
Moisture 6 Hours after Appl.	0 IN	0 IN	0 IN	0 IN	0.05 IN
Moisture 1 Week after Appl.	0.72 IN	0.65 IN	0.95 IN	0.37 IN	0.9 IN

### Crop Stage At Each Application

	A		B		C		D		E	
Crop 1 Code, BBCH Scale	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Days after Emergence	-183		-14		6		19		28	
Stage Scale Used	BBCH		BBCH		BBCH		BBCH		BBCH	
Stage Majority, Percent			00	100	13	100	14	100	15	100
Height Average					4 IN		15 IN		18 IN	

### Pest Stage At Each Application

	A		B		C		D		E	
Pest 1 Code, Type, Scale	LAMPU	W	LAMPU	W	LAMPU	W	LAMPU	W	LAMPU	W
Stage Majority, Percent	16	90	65	90						
Stage Minimum, Percent	14	10	69	10						
Stage Maximum, Percent	16	90	69	10						
Diameter	2	IN	3	IN						
Height Average	1	IN	5	IN						
Height Minimum, Maximum	0.5	1	5	7						
Density Average	30	PLA/m2	30	PLA/M2						
Density Min, Max	5	50	3	50						
Pest 2 Code, Type, Scale	STEME	W	STEME	W	STEME	W	STEME	W	STEME	W
Stage Majority, Percent	14	80	65	80						
Stage Minimum, Percent	12	10	69	10						
Stage Maximum, Percent	16	10	69	10						
Diameter	0.25	IN	8	IN						
Height Average	0.5	IN	3	IN						
Height Minimum, Maximum	0.25	0.5	3	4						
Density Average	0.33	PLA/m2	5	PLA/m2						
Density Min, Max	0.33	3	0.33	10						
Pest 3 Code, Type, Scale	TAROF	W	TAROF	W	TAROF	W	TAROF	W	TAROF	W
Stage Majority, Percent	16	80	60	80		11	100			
Stage Minimum, Percent	14	10	60	80						
Stage Maximum, Percent	18	10	65	10						
Diameter	6	IN	6	IN						
Height Average	1	IN	3	IN		3	IN			
Height Minimum, Maximum	0.5	1.5	2	4						
Density Average	6	PLA/m2	1	PLA/M2						
Density Min, Max	0	20	0	10						
Pest 4 Code, Type, Scale	CARPE	W	CARPE	W	CARPE	W	CARPE	W	CARPE	W
Stage Majority, Percent	14	80	89	90						
Stage Minimum, Percent	12	10	89	90						
Stage Maximum, Percent	16	10	97	10						
Diameter	0.5	IN	1	IN						
Height Average	0.5	IN	3	IN						
Height Minimum, Maximum	0.25	0.5	3	4						
Density Average	0.33	PLA/m2	6	PLA/m2						
Density Min, Max	0	3	0	12						
Pest 5 Code, Type, Scale	CAPBP	W	CAPBP	W	CAPBP	W	CAPBP	W	CAPBP	W
Stage Majority, Percent			65	75						
Stage Minimum, Percent			65	75						

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

Stage Maximum, Percent		69	10						
Diameter		4	IN						
Height Average		10	IN						
Height Minimum, Maximum		10	12						
Density Average		3	PLA/m2						
Density Min, Max		0	5						
Pest 6 Code, Type, Scale	RANAB W	RANAB W	RANAB W	RANAB W	RANAB W	RANAB W	RANAB W	RANAB W	RANAB W
Stage Majority, Percent		61	90						
Stage Minimum, Percent		51	10						
Stage Maximum, Percent		61	90						
Diameter		3	IN						
Height Average		10	IN						
Height Minimum, Maximum		8	12						
Density Average		3	PLA/m2						
Density Min, Max		0	6						
Pest 7 Code, Type, Scale	VERAG W	VERAG W	VERAG W	VERAG W	VERAG W	VERAG W	VERAG W	VERAG W	VERAG W
Stage Majority, Percent		65	80						
Stage Minimum, Percent		65	80						
Stage Maximum, Percent		69	10						
Diameter		4	IN						
Height Average		0.5	IN						
Height Minimum, Maximum		0.25	0.5						
Density Average		3	PLA/m2						
Density Min, Max		0	5						
Pest 8 Code, Type, Scale	DRBSS W	DRBSS W	DRBSS W	DRBSS W	DRBSS W	DRBSS W	DRBSS W	DRBSS W	DRBSS W
Stage Majority, Percent		71	80						
Stage Minimum, Percent		71	80						
Stage Maximum, Percent		89	10						
Diameter		1	IN						
Height Average		2	IN						
Height Minimum, Maximum		2	3						
Density Average		5	PLA/m2						
Density Min, Max		0	15						
Pest 9 Code, Type, Scale	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent		12	80	19	60	18	80	16	80
Stage Minimum, Percent		12	80	14	20	16	10	14	
Stage Maximum, Percent		14	10	21	20	19	10	19	
Diameter		2	IN						
Height Average		2	IN	12	IN	7	IN	16	IN
Height Minimum, Maximum		2	4	3	16	5	8	4	28
Density Average		6	PLA/m2						
Density Min, Max		0	12						
Pest10 Code, Type, Scale	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W	SETFA W
Stage Majority, Percent		12	80	13	80	16	80		
Stage Minimum, Percent		11	15	11	10	13			
Stage Maximum, Percent		13	5	14	10	19			
Height Average		2	IN	6	IN	7	IN		
Height Minimum, Maximum		1	3	3	8	2	12		
Pest11 Code, Type, Scale	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent		18	80			17	80		
Stage Minimum, Percent		16	10			16			
Stage Maximum, Percent		19	10			19			
Height Average		2	IN			8	IN		
Height Minimum, Maximum		2	3			4	12		
Pest12 Code, Type, Scale	ERICA W	ERICA W	ERICA W	ERICA W	ERICA W	ERICA W	ERICA W	ERICA W	ERICA W
Stage Majority, Percent		19	80	13	100	19	90		
Stage Minimum, Percent		18	10			18			
Stage Maximum, Percent		21	10			19			
Height Average		3	IN	3	IN	6	IN		
Height Minimum, Maximum		3	3			4	8		
Pest13 Code, Type, Scale	ABUTH W	ABUTH W	ABUTH W	ABUTH W	ABUTH W	ABUTH W	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent				14	100	15	80		
Stage Minimum, Percent						14			
Stage Maximum, Percent						16			
Height Average				3	IN	3	IN		
Height Minimum, Maximum						2	4		

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

### Application Equipment

	A	B	C	D	E
Appl. Equipment	6' AIXR	6' AIXR	6' AIXR	6' AIXR	6' AIXR
Equipment Type	BACCAI	BACCAI	BACCAI	BACCAI	BACCAI
Operation Pressure	44 PSI	44 PSI	44 PSI	44 PSI	44 PSI
Nozzle Type	AIXR	AIXR	AIXR	AIXR	AIXR
Nozzle Size	11015	1110015	1110015	1110015	1110015
Nozzle Spacing	18 IN	18 IN	18 IN	18 IN	18 IN
Boom Length	6.67 FT	6.67 FT	6.67 FT	6.67 FT	6.67 FT
Boom Height	20 IN	20 IN	20 IN	20 IN	20 IN
Ground Speed	3 MPH	3 MPH	3 MPH	3 MPH	3 MPH
Carrier	WATER	WATER	WATER	WATER	WATER
Application Amount	15 gal/ac	15 GAL/AC	15 GAL/AC	15 GAL/AC	15 GAL/AC
Mix Size	1 L	1 L	1 L	1 L	1 L
Propellant	COMCO2	COMCO2	COMCO2	COMCO2	COMCO2

Context	Date	By	Notes
STATUS	Nov-18-2019	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Nov-20-2019	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'E' when Application Date entered.
Pest Type			
Pest Code			
Pest Scientific Name			
Pest Name			
Crop Type, Code			C ZEAMX C ZEAMX C ZEAMX C ZEAMX
Crop Name			Corn Corn Corn Corn
Rating Date	Oct-14-2020	Oct-14-2020	Oct-14-2020 Oct-14-2020
Rating Type	WEIGHT	MOICON	WEITES YIELD
Rating Unit	LBS	%	LBS BU
Number of Subsamples	1	1	1 1
Data Entry Date	Oct-15-2020	Oct-15-2020	Oct-15-2020
Days After First/Last Applic.	329 118	329 118	329 118 329 118
Trt-Eval Interval			
Plant-Eval Interval			160 DP-1 160 DP-1 160 DP-1 160 DP-1
Days After Emergence			146 DE-1 146 DE-1 146 DE-1 146 DE-1
ARM Action Codes			TY1
Number of Decimals			1 1 1 1

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	26*	27*	28*	29*
1	UNTREATED CHECK						0.5 c	20.2 -	54.3 -	2.5 c
2	WEEDMASTER	32 fl oz/a		0.97 lb ai/a		A	33.6 b	22.2 -	53.4 -	160.2 b
2	ROUNDUP POWER MAX	32 fl oz/a		1.38 lb ae/a		A				
2	N Pak AMS	5 % v/v		5 % v/v		A				
2	Moccasin II PLus	1.24 lb ai/a		1.3 pt/a		B				
2	Tricor	0.094 lb ai/a		3 oz/a		B				
2	Interline	0.585 lb ai/a		32 oz/a		B				
2	AMSOL	5 % v/v		5 % v/v		B				
2	Interline	0.585 lb ai/a		32 oz/a		D				
2	AMSOL	5 % v/v		5 % v/v		D				
3	AUDIT 1:1	0.75 oz/a		0.0234 lb ai/a		A	14.0 c	21.4 -	53.3 -	67.9 c
3	ROUNDUP POWER MAX	32 fl oz/a		1.38 lb ae/a		A				
3	N Pak AMS	5 % v/v		5 % v/v		A				
3	Tripzin ZC	0.91 lb ai/a		29 oz/a		B				
3	Interline	0.585 lb ai/a		32 oz/a		B				
3	AMSOL	5 % v/v		5 % v/v		B				
3	Interline	0.585 lb ai/a		32 oz/a		D				
3	AMSOL	5 % v/v		5 % v/v		D				
4	AUDIT 1:1	1 oz/a		0.0313 lb ai/a		A	29.9 b	21.4 -	55.7 -	144.6 b
4	ROUNDUP POWER MAX	32 fl oz/a		1.38 lb ae/a		A				
4	N Pak AMS	5 % v/v		5 % v/v		A				
4	Shutdown	0.0975 lb ai/a		3 oz/a		B				
4	Tricor	0.188 lb ai/a		6 oz/a		B				
4	Interline	0.585 lb ai/a		32 oz/a		B				
4	AMSOL	5 % v/v		5 % v/v		B				
4	Interline	0.585 lb ai/a		32 oz/a		D				
4	AMSOL	5 % v/v		5 % v/v		D				

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

Pest Type				
Pest Code				
Pest Scientific Name				
Pest Name				
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX	C ZEAMX
Crop Name	Corn	Corn	Corn	Corn
Rating Date	Oct-14-2020	Oct-14-2020	Oct-14-2020	Oct-14-2020
Rating Type	WEIGHT	MOICON	WEITES	YIELD
Rating Unit	LBS	%	LBS	BU
Number of Subsamples	1	1	1	1
Data Entry Date	Oct-15-2020	Oct-15-2020	Oct-15-2020	
Days After First/Last Applic.	329 118	329 118	329 118	329 118
Trt-Eval Interval				
Plant-Eval Interval	160 DP-1	160 DP-1	160 DP-1	160 DP-1
Days After Emergence	146 DE-1	146 DE-1	146 DE-1	146 DE-1
ARM Action Codes				TY1
Number of Decimals	1	1	1	1

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	26*	27*	28*	29*
5	SHUTDOWN	3 fl oz/a		0.0975 lb ai/a		A	37.6 ab	20.8 -	54.3 -	182.7 ab
5	TRICOR	6 fl oz/a		0.188 lb ai/a		A				
5	ROUNDUP POWER MAX	32 fl oz/a		1.38 lb ae/a		A				
5	N Pak AMS	5 % v/v		5 % v/v		A				
5	Moccasin II PPlus	1.24 lb ai/a		1.3 pt/a		B				
5	Resolve	0.0156 lb ai/a		1 oz/a		B				
5	Interline	0.585 lb ai/a		32 oz/a		B				
5	AMSOL	5 % v/v		5 % v/v		B				
5	Interline	0.585 lb ai/a		32 oz/a		D				
5	AMSOL	5 % v/v		5 % v/v		D				
6	SHUTDOWN	4 fl oz/a		0.13 lb ai/a		A	49.1 a	21.2 -	55.9 -	237.3 a
6	TRICOR	8 fl oz/a		0.25 lb ai/a		A				
6	ROUNDUP POWER MAX	32 fl oz/a		1.38 lb ae/a		A				
6	N Pak AMS	5 % v/v		5 % v/v		A				
6	Moccasin II PPlus	1.24 lb ai/a		1.3 pt/a		C				
6	Resolve	0.0156 lb ai/a		1 oz/a		C				
6	Interline	0.585 lb ai/a		32 oz/a		C				
6	AMSOL	5 % v/v		5 % v/v		C				
6	Interline	0.585 lb ai/a		32 oz/a		E				
6	AMSOL	5 % v/v		5 % v/v		E				
7							37.5 ab	21.1 -	54.3 -	181.6 ab
7	Acruon XR	2.66 lb ai/a		3 qt/a		B				
7	COC	1 % v/v		1 % v/v		B				
7	Interline	0.585 lb ai/a		32 oz/a		D				
7	AMSOL	5 % v/v		5 % v/v		D				
8							37.5 ab	21.2 -	54.8 -	181.5 ab
8	Corvus	0.115 lb ai/a		5.6 oz/a		B				
8	Atrazine	1.5 lb ai/a		1.5 qt/a		B				
8	COC	1 % v/v		1 % v/v		B				
8	Interline	0.585 lb ai/a		32 oz/a		D				
8	AMSOL	5 % v/v		5 % v/v		D				
9							38.2 ab	21.1 -	54.6 -	184.6 ab
9	Resicore	2.06 lb ai/a		2.5 qt/a		B				
9	Atrazine	1.5 lb ai/a		1.5 qt/a		B				
9	COC	1 % v/v		1 % v/v		B				
9	Interline	0.585 lb ai/a		32 oz/a		D				
9	AMSOL	5 % v/v		5 % v/v		D				

# The Ohio State University

## UPL Fall - Spring Burndown Programs in Corn

Trial ID: 20FALLCORN1  
 Protocol ID: FALL /SPRING CORN-SOY  
 Project ID: 20FALLCORN1

Location: Western Branch F-9 West Trial Year: 2019  
 Investigator: Dr. Mark M. Loux  
 Study Director: Anthony Dobbels  
 Sponsor Contact: Joe Reed, UPL

Pest Type								
Pest Code								
Pest Scientific Name								
Pest Name								
Crop Type, Code	C ZEAMX	C ZEAMX	C ZEAMX	C ZEAMX				
Crop Name	Corn	Corn	Corn	Corn				
Rating Date	Oct-14-2020	Oct-14-2020	Oct-14-2020	Oct-14-2020				
Rating Type	WEIGHT	MOICON	WEITES	YIELD				
Rating Unit	LBS	%	LBS	BU				
Number of Subsamples	1	1	1	1				
Data Entry Date	Oct-15-2020	Oct-15-2020	Oct-15-2020					
Days After First/Last Applic.	329 118	329 118	329 118	329 118				
Trt-Eval Interval								
Plant-Eval Interval	160 DP-1	160 DP-1	160 DP-1	160 DP-1				
Days After Emergence	146 DE-1	146 DE-1	146 DE-1	146 DE-1				
ARM Action Codes				TY1				
Number of Decimals	1	1	1	1				
Trt Treatment No. Name	Rate	Other Rate	Other Rate	Appl Unit Code	26*	27*	28*	29*
10					29.3 b	21.4 -	55.2 -	141.2 b
10 Verdict	0.696 lb ai/a		16 oz/a	B				
10 Atrazine	1.5 lb ai/a		1.5 qt/a	B				
10 COC	1 % v/v		1 % v/v	B				
10 Interline	0.585 lb ai/a		32 oz/a	D				
10 AMSOL	5 % v/v		5 % v/v	D				
LSD P=.05					13.93	1.15	2.86	66.65
Standard Deviation					8.12	0.67	1.67	38.85
CV					26.44	3.16	3.06	26.18
Grand Mean					30.72	21.19	54.59	148.41
Levene's F					0.519	0.685	0.525	0.548
Levene's Prob(F)					0.844	0.714	0.839	0.823
Rank X2					.	.	.	.
P(Rank X2)					.	.	.	.
Skewness					-0.7117	0.5488	0.0816	-0.7273
Kurtosis					0.0388	0.2897	-0.0473	0.0402
Replicate F					1.644	2.171	0.830	1.690
Replicate Prob(F)					0.2210	0.1430	0.4522	0.2125
Treatment F					8.783	1.716	0.783	8.954
Treatment Prob(F)					0.0001	0.1574	0.6345	0.0001

### Crop Type, Code

C = EPPO species (Bayer) codes  
 ZEAMX, BCOR, Zea mays, Corn = US

### Rating Type

WEIGHT = weight  
 MOICON = moisture content  
 WEITES = weight - test  
 YIELD = yield

### Rating Unit

% = percent  
 BU = bushel

### Plant-Eval Interval

160 DP-1 = 1 ZEAMX May-7-2020

### ARM Action Codes

TY1 =  $5.185714 * [C26] * (100 - [C27]) / 84.5$