

Beiermann Agri-Systems Inc.



14919-277th Str. N.
Cordova, IL. 61242
309-654-2222

Farm: Mike McGinn, home place

Grower: Steve McGinn

2/2/2022

Systems:	Length	Spans	Total area including endgun
○ South pvt, Zimmatic, Installed	1292.67 ft	7 spans + 33 ft o.h.	91.37 acres
○ Valley-Modified 6000, built	1312.17 ft	8 spans + 44 ft o.h.	48.92 acres
● Wrapper Spans, end of valley	932.00 ft	6 spans + 44 ft o.h.	12.78 acres

Pipe and Wire:	Length / Size	Description
● Pipe, well to 1st pvt	602.99 ft / 8" x 80 PSI	8"x 80 PSI Pipe & # 4-4-4-4 & 14-2 UF Wire
● Pipe, between center pivot	2632.18 ft / 8" x 80 PSI	8"x 80 PSI Pipe & # 2-2-2-4 & 14-2 UF Wire



South pvt, Zimmatic, Installed 2000

Pivot Area: **80.32** acres
 Endgun Area: **11.05** acres
 Total Area: **91.37** acres

System Length: **1292.67** ft
 # of Spans: **7 + overhang**
 Deg. of Sweep: **239.9°**
 Endgun Throw: **120.0** ft

Color on map:



Spans

# of Spans: 7	Span 1 (180.2)	Span 2 (359.1)	Span 3 (538.0)	Span 4 (716.9)	Span 5 (895.8)	Span 6 (1074.8)	Span 7 (1253.7)	Overhang (1292.7)
Length:	179	179	179	179	179	179	179	33 ft
Pipe Size:	6 - 5/8"	6 - 5/8"	6 - 5/8"	6 - 5/8"	6 - 5/8"	6 - 5/8"	6 - 5/8"	5 - 9/16"

Endgun Areas

Endgun 1: (Throw = 120.0 ft)

# of Areas: 2	Start / Stop Angle (Deg. from North)	Start / Stop Angle (Deg. from Pivot Start)	Start / Stop Location (Lat/Long)		Area (acres)
Area 1	223.8° / 251.0°	1.5° / 28.8°	41.682388079° -89.885122326°	41.683795821° -89.886323199°	1.77
Area 2	287.4° / 70.1°	65.1° / 207.8°	41.686009952° -89.886363431°	41.686156262° -89.877401134°	9.28

Valley-Modified 6000, built 1991, Main system, moved here 2020

Pivot Area: **42.83** acres
 Endgun Area: **6.08** acres
 Total Area: **48.92** acres

System Length: **1312.17** ft
 # of Spans: **8 + overhang**
 Deg. of Sweep: **124.2°**
 Endgun Throw: **100.0** ft

Color on map:



Spans

# of Spans: 8	Span 1 (201.3)	Span 2 (380.2)	Span 3 (527.2)	Span 4 (674.2)	Span 5 (821.2)	Span 6 (968.2)	Span 7 (1115.2)	Span 8 (1262.2)	Overhang (1312.2)
Length:	201	179	147.0 ft	147.0 ft	147.0 ft	147.0 ft	147.0 ft	147.0 ft	44 ft
Pipe Size:	6 - 5/8"	6 - 5/8"							5 - 9/16"

Endgun Areas

Endgun 1: (Throw = 100.0 ft)

# of Areas: 1	Start / Stop Angle (Deg. from North)	Start / Stop Angle (Deg. from Pivot Start)	Start / Stop Location (Lat/Long)		Area (acres)
Area 1	12.4° / 123.8°	12.7° / 124.2°	41.694601527° -89.885556239°	41.689082267° -89.882592439°	6.08

Wrapper Spans, end of valley

Pivot Area: **10.44** acres
 Endgun Area: **2.34** acres
 Total Area: **12.78** acres

System Length: **932.00** ft
 # of Spans: **6 + overhang**
 Deg. of Sweep: **60.0°**
 Endgun Throw: **100.0** ft

Color on map:



Spans

# of Spans: 6	Span 1 (147.0)	Span 2 (294.0)	Span 3 (441.0)	Span 4 (588.0)	Span 5 (735.0)	Span 6 (882.0)	Overhang (932.0)
Length:	147.0 ft	147.0 ft	147.0 ft	147.0 ft	147.0 ft	147.0 ft	44 ft
Pipe Size:							5 - 9/16"

Endgun Areas

Endgun 1: (Throw = 100.0 ft)

# of Areas: 1	Start / Stop Angle (Deg. from North)	Start / Stop Angle (Deg. from Pivot Start)	Start / Stop Location (Lat/Long)		Area (acres)
Area 1	123.8° / 183.2°	0.0° / 59.4°	41.689082267° -89.882592439°	41.687951807° -89.885616435°	2.34

