

BioEnt – Early Season Survey

Gary Manley 269-273-7070 or 269-816-1080

Seed Corn Corn Soybeans Wheat Green Beans Hay

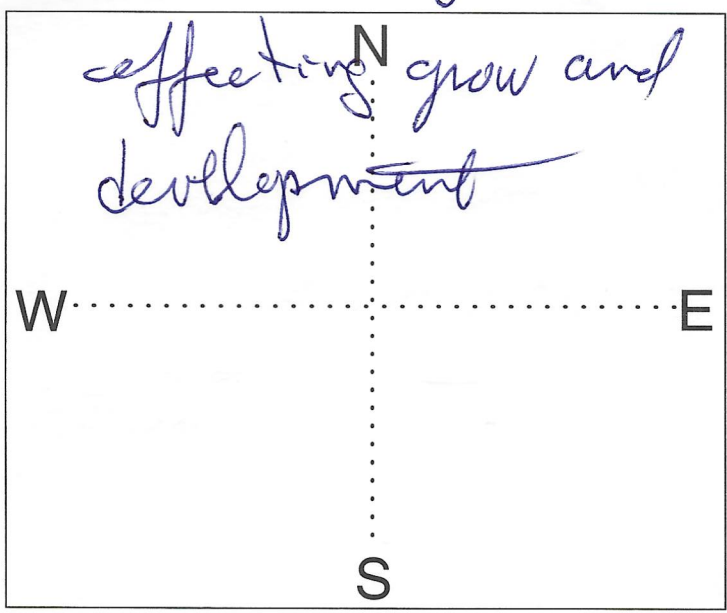
Date 7/14/2023
 Field Name/Number GIR2 Grower MSU Growth Stage V8/9
 General Appearance _____ Size 2'4 Variance OK Leaf Color OK Variance OK
 Plant Population _____ Soil Moisture 0-12 65 12-24 75 24+ _____ %AWC _____

Vigor: <input checked="" type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor Stress: <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen Stress-Chlorophyll: <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High Weed Control: <input checked="" type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor <input checked="" type="checkbox"/> Grasses <input type="checkbox"/> Broadleaves <input type="checkbox"/> Perennials	ACTION: <input checked="" type="checkbox"/> None Required <input type="checkbox"/> Watch <input type="checkbox"/> Yes, see comments
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Comments:

30 30 30 29 29 27
29, 106/Acre.

Season long dryness



<input type="checkbox"/> Annual Grasses AG <input type="checkbox"/> Foxtail F <input type="checkbox"/> Panicum -Fall FP <input type="checkbox"/> Quack grass QG <input type="checkbox"/> Wirestem Muhly WM <input type="checkbox"/> Marestalk MT <input type="checkbox"/> Crabgrass CG <input type="checkbox"/> Johnsongrass JG <input type="checkbox"/> Shattercane SCA <input type="checkbox"/> Nutsedge NS <input type="checkbox"/> Winter Annuals WA <input type="checkbox"/> Chickweed CW <input type="checkbox"/> Biannuals WB <input type="checkbox"/> Cover Crop CC <input type="checkbox"/> Velvetleaf VL <input type="checkbox"/> Cocklebur CBUR <input type="checkbox"/> Milkweed CM	<input type="checkbox"/> Pigweed RRP <input type="checkbox"/> Horsenettle HN <input type="checkbox"/> Bindweed -Field FBW <input type="checkbox"/> Bindweed -Hedge HBW <input type="checkbox"/> Smartweed -Penn. PSM <input type="checkbox"/> Smart -Swamp SSM <input type="checkbox"/> Dogbane -Hemp HDB <input type="checkbox"/> Lambsquarter LQU <input type="checkbox"/> Ragweed CRAG <input type="checkbox"/> Ragweed -Giant GRAG <input type="checkbox"/> Dock -Curly CD <input type="checkbox"/> Nightshade -Black BNS <input type="checkbox"/> Jimsonweed JW <input type="checkbox"/> Canada Thistle CTH <input type="checkbox"/> Yellow Rocket YR <input type="checkbox"/> Pokeweed PW <input type="checkbox"/> Wild Corn WC
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<input type="checkbox"/> Germination <input type="checkbox"/> Emergence <input type="checkbox"/> Nutrient Deficiency <input type="checkbox"/> Soil Compaction: <input type="checkbox"/> Standing Water <input type="checkbox"/> Herbicide damage <input type="checkbox"/> Physiological Disorder in Corn <input type="checkbox"/> Doubles _____ % Corn <input type="checkbox"/> Density _____ Variance _____ <input type="checkbox"/> Growth <u>good</u> Variance <u>OK</u> <input type="checkbox"/> Plant spacing _____ Variance _____ <input type="checkbox"/> Emergence _____ Variance _____ <input type="checkbox"/> Soil Temperature _____ 2"	<input type="checkbox"/> No <input type="checkbox"/> 1/4" Root <input type="checkbox"/> Spike PE <input type="checkbox"/> Breaking <input type="checkbox"/> VC / V1 <input type="checkbox"/> Spots <input type="checkbox"/> General _____ <input type="checkbox"/> Soil Surface: <input type="checkbox"/> Spots <input type="checkbox"/> General <input type="checkbox"/> Hard <input type="checkbox"/> Crusted <input type="checkbox"/> Small Spots <input type="checkbox"/> Large Spots <input type="checkbox"/> Emergence stress <input type="checkbox"/> Yellowish whorl <input type="checkbox"/> Buggywip <input type="checkbox"/> Stalk bending <input type="checkbox"/> Twisted whorl <input type="checkbox"/> _____ Variance _____
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<input type="checkbox"/> Cutworms CW <input type="checkbox"/> Armyworms AW <input type="checkbox"/> Stalkborers SB <input type="checkbox"/> Wireworms WW <input type="checkbox"/> Spider Mites SM	<input type="checkbox"/> White Grubs WG <input type="checkbox"/> Flea Beetles FB <input type="checkbox"/> Aphids A <input type="checkbox"/> Slugs S <input type="checkbox"/> Leafhoppers LH	<input type="checkbox"/> Seed Corn Maggots <input type="checkbox"/> Foliar Disease-Rust <input type="checkbox"/> Foliar Disease-Fungi <input type="checkbox"/> Corn Borer-% _____ <input type="checkbox"/> Stunted plants	<input type="checkbox"/> Root Damage <input type="checkbox"/> Insects <input type="checkbox"/> Diseases <input type="checkbox"/> Nematodes	<input type="checkbox"/> Plants <input type="checkbox"/> Purplish <input type="checkbox"/> Yellowish <input type="checkbox"/> Stunting
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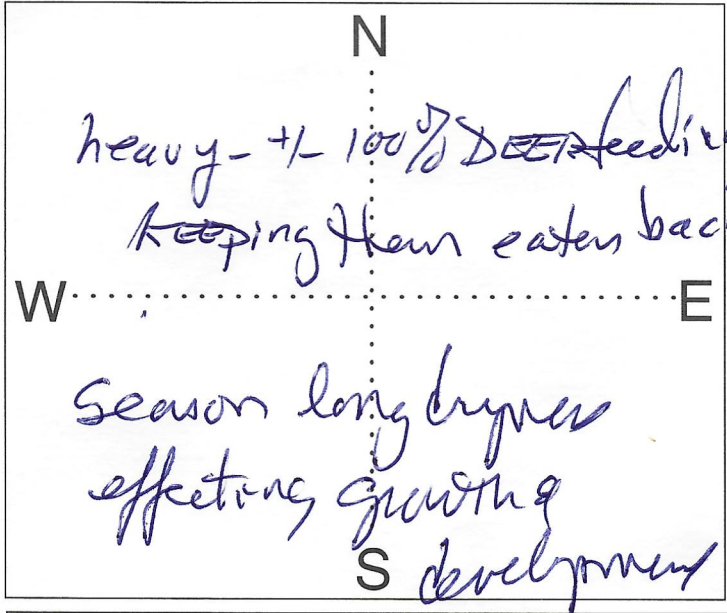
Seed Corn Corn Soybeans Wheat Green Beans Hay Date: 7/14/2023
 Field Name/Number 62R2 Grower MSU Growth Stage V3/05
 General Appearance OK Size 4'4" Variance Spreading Feeding Leaf Color OK Variance OK
 Plant Population _____ Soil Moisture 0-12 65 12-24 65/70 24+ _____ %AWC _____

Vigor: <input checked="" type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor	<input type="checkbox"/> General <input type="checkbox"/> Spotty	ACTION: <input type="checkbox"/> None Required <input type="checkbox"/> Watch <input type="checkbox"/> Yes, see comments
Stress: <input type="checkbox"/> Heat <input type="checkbox"/> Moisture <input type="checkbox"/> Nitrogen	<input type="checkbox"/> General <input type="checkbox"/> Spotty	
Stress-Chlorophyll: <input checked="" type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> High	<input type="checkbox"/> General <input type="checkbox"/> Spotty	
Weed Control: <input checked="" type="checkbox"/> Good <input type="checkbox"/> OK <input type="checkbox"/> Poor <input type="checkbox"/> Spotty <input type="checkbox"/> Dense Spots	<input type="checkbox"/> Grasses <input type="checkbox"/> Broadleaves <input type="checkbox"/> Perennials	

Comments: 10 ft/Row 15' Row 34, 48

10 15 19 20 32 34
34 27 32 31 10 16
8 8 296/46 21.1428
2.11/ft. 73,529/ACRE

- | | |
|--|--|
| <input type="checkbox"/> Annual Grasses AG | <input type="checkbox"/> Pigweed RRP |
| <input type="checkbox"/> Foxtail F | <input type="checkbox"/> Horsenettle HN |
| <input type="checkbox"/> Panicum -Fall FP | <input type="checkbox"/> Bindweed -Field FBW |
| <input type="checkbox"/> Quack grass QG | <input type="checkbox"/> Bindweed -Hedge HBW |
| <input type="checkbox"/> Wirestem Muhly WM | <input type="checkbox"/> Smartweed -Penn. PSM |
| <input type="checkbox"/> Marestail MT | <input type="checkbox"/> Smart -Swamp SSM |
| <input type="checkbox"/> Crabgrass CG | <input type="checkbox"/> Dogbane -Hemp HDB |
| <input type="checkbox"/> Johnsongrass JG | <input type="checkbox"/> Lambsquarter LQU |
| <input type="checkbox"/> Shattercane SCA | <input type="checkbox"/> Ragweed CRAG |
| <input type="checkbox"/> Nutsedge NS | <input type="checkbox"/> Ragweed -Giant GRAG |
| <input type="checkbox"/> Winter Annuals WA | <input type="checkbox"/> Dock -Curly CD |
| <input type="checkbox"/> Chickweed CW | <input type="checkbox"/> Nightshade -Black BNS |
| <input type="checkbox"/> Biannuals WB | <input type="checkbox"/> Jimsonweed JW |
| <input type="checkbox"/> Cover Crop CC | <input type="checkbox"/> Canada Thistle CTH |
| <input type="checkbox"/> Velvetleaf VL | <input type="checkbox"/> Yellow Rocket YR |
| <input type="checkbox"/> Cocklebur CBUR | <input type="checkbox"/> Pokeweed PW |
| <input type="checkbox"/> Milkweed CM | <input type="checkbox"/> Wild Corn WC |



<input type="checkbox"/> Germination	<input type="checkbox"/> No	<input type="checkbox"/> 1/4" Root	<input type="checkbox"/> Spike PE
<input type="checkbox"/> Emergence	<input type="checkbox"/> Breaking	<input type="checkbox"/> VC / V1	
<input type="checkbox"/> Nutrient Deficiency	<input type="checkbox"/> Spots	<input type="checkbox"/> General	
<input type="checkbox"/> Soil Compaction:	<input type="checkbox"/> Soil Surface:		
○ Spots ○ General	○ Hard ○ Crusted		
<input type="checkbox"/> Standing Water	<input type="checkbox"/> Small Spots	<input type="checkbox"/> Large Spots	
<input type="checkbox"/> Herbicide damage	<input type="checkbox"/> Emergence stress		
<input type="checkbox"/> Physiological Disorder in Corn	○ Yellowish whorl		
○ Buggywip ○ Stalk bending ○ Twisted whorl			
<input type="checkbox"/> Doubles _____ % Corn			
<input type="checkbox"/> Density _____ Variance _____			
<input type="checkbox"/> Growth <u>OK</u> Variance <u>OK</u>			
<input type="checkbox"/> Plant spacing _____ Variance _____			
<input type="checkbox"/> Emergence _____ Variance _____			
<input type="checkbox"/> Soil Temperature _____ 2"			

<input type="checkbox"/> Cutworms CW	<input type="checkbox"/> White Grubs WG	<input type="checkbox"/> Seed Corn Maggots	<input type="checkbox"/> Root Damage	<input type="checkbox"/> Plants
<input type="checkbox"/> Armyworms AW	<input type="checkbox"/> Flea Beetles FB	<input type="checkbox"/> Foliar Disease-Rust	<input type="checkbox"/> Insects	<input type="checkbox"/> Purplish
<input type="checkbox"/> Stalkborers SB	<input type="checkbox"/> Aphids A	<input type="checkbox"/> Foliar Disease-Fungi	<input type="checkbox"/> Diseases	<input type="checkbox"/> Yellowish
<input type="checkbox"/> Wireworms WW	<input type="checkbox"/> Slugs S	<input type="checkbox"/> Corn Borer-% _____	<input type="checkbox"/> Nematodes	<input type="checkbox"/> Stunting
<input type="checkbox"/> Spider Mites SM	<input type="checkbox"/> Leafhoppers LH	<input type="checkbox"/> Stunted plants		

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Seed Corn Corn Soybeans Wheat Green Beans Hay

Date 7/14/2023

Field Name/Number C3R2 Grower MSY Growth Stage veg. growth

General Appearance good Size 1.25" Variance 0.4 Leaf Color good Variance 0.4

Plant Population below Soil Moisture 0-12 45 12-24 65/70 24+ _____ %AWC

Vigor: Good OK Poor General Spotty
 Stress: Heat Moisture Nitrogen General Spotty
 Stress-Chlorophyll: None Low High General Spotty
 Weed Control: Good OK Poor Spotty Dense Spots
 Grasses Broadleaves Perennials

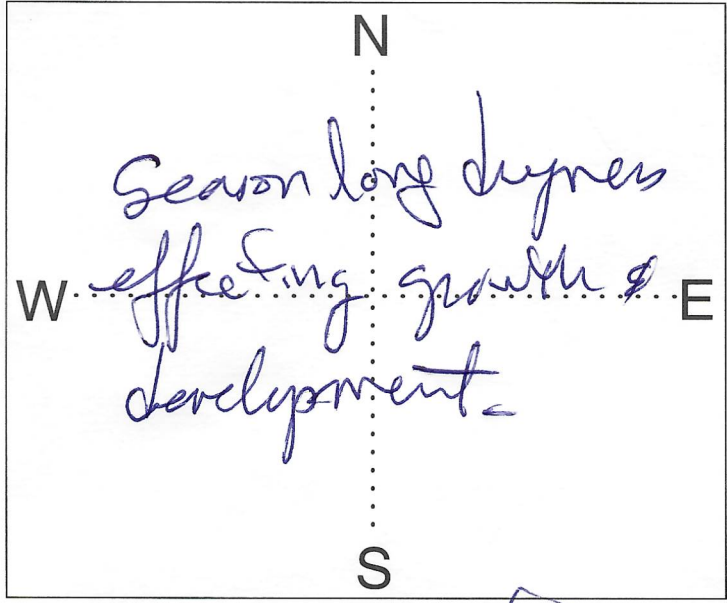
ACTION:
 None Required
 Watch
 Yes, see comments

Comments: 5 ft. 16" Row 34,500

13	13	9	7	10	11
11	8	10	9	3	7
x 9.25		1.85			

64,468/ACRE

- | | |
|--|--|
| <input type="checkbox"/> Annual Grasses AG | <input type="checkbox"/> Pigweed RRP |
| <input type="checkbox"/> Foxtail F | <input type="checkbox"/> Horsenettle HN |
| <input type="checkbox"/> Panicum -Fall FP | <input type="checkbox"/> Bindweed -Field FBW |
| <input type="checkbox"/> Quack grass QG | <input type="checkbox"/> Bindweed -Hedge HBW |
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| <input type="checkbox"/> Crabgrass CG | <input type="checkbox"/> Dogbane -Hemp HDB |
| <input type="checkbox"/> Johnsongrass JG | <input type="checkbox"/> Lambsquarter LQU |
| <input type="checkbox"/> Shattercane SCA | <input type="checkbox"/> Ragweed CRAG |
| <input type="checkbox"/> Nutsedge NS | <input type="checkbox"/> Ragweed -Giant GRAG |
| <input type="checkbox"/> Winter Annuals WA | <input type="checkbox"/> Dock -Curly CD |
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| <input type="checkbox"/> Cover Crop CC | <input type="checkbox"/> Canada Thistle CTH |
| <input type="checkbox"/> Velvetleaf VL | <input type="checkbox"/> Yellow Rocket YR |
| <input type="checkbox"/> Cocklebur CBUR | <input type="checkbox"/> Pokeweed PW |
| <input type="checkbox"/> Milkweed CM | <input type="checkbox"/> Wild Corn WC |



Germination No 1/4" Root Spike PE
 Emergence Breaking VC / V1
 Nutrient Deficiency Spots General _____
 Soil Compaction: Soil Surface:
 Spots General Hard Crusted
 Standing Water Small Spots Large Spots
 Herbicide damage Emergence stress
 Physiological Disorder in Corn Yellowish whorl
 Buggywip Stalk bending Twisted whorl
 Doubles _____ % Corn
 Density _____ Variance _____
 Growth good Variance good
 Plant spacing _____ Variance _____
 Emergence _____ Variance _____
 Soil Temperature _____ 2"

- | | | |
|--|--|---|
| <input type="checkbox"/> Cutworms CW | <input type="checkbox"/> White Grubs WG | <input type="checkbox"/> Seed Corn Maggots |
| <input type="checkbox"/> Armyworms AW | <input type="checkbox"/> Flea Beetles FB | <input type="checkbox"/> Foliar Disease-Rust |
| <input type="checkbox"/> Stalkborers SB | <input type="checkbox"/> Aphids A | <input type="checkbox"/> Foliar Disease-Fungi |
| <input type="checkbox"/> Wireworms WW | <input type="checkbox"/> Slugs S | <input type="checkbox"/> Corn Borer-% _____ |
| <input type="checkbox"/> Spider Mites SM | <input type="checkbox"/> Leafhoppers LH | <input type="checkbox"/> Stunted plants |

- | | |
|--------------------------------------|------------------------------------|
| <input type="checkbox"/> Root Damage | <input type="checkbox"/> Plants |
| <input type="checkbox"/> Insects | <input type="checkbox"/> Purplish |
| <input type="checkbox"/> Diseases | <input type="checkbox"/> Yellowish |
| <input type="checkbox"/> Nematodes | <input type="checkbox"/> Stunting |