

BioEnt - Early Season Survey Gary Manley 269-273-7070 or 269-816-1080

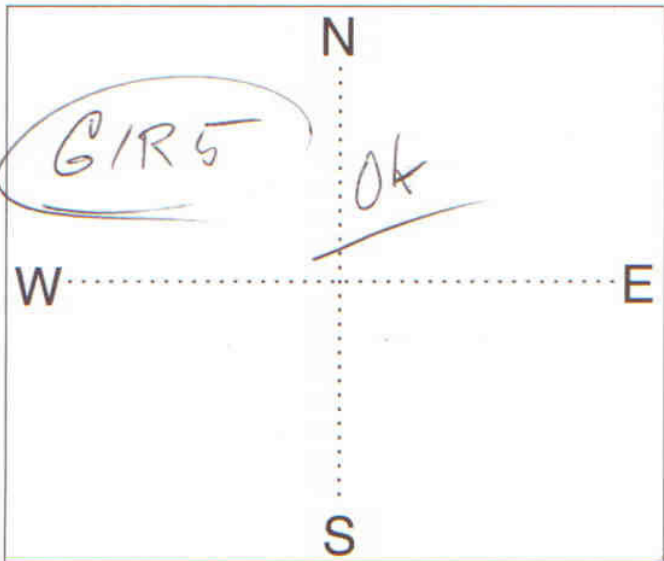
Seed Corn Corn Soybeans Wheat _____ Grower MSU Date 7/1/2013
 Field Name/Number GIR4 Growth Stage V14
 General Appearance OK Size 6-7' Variance OK Leaf Color OK Variance OK
 Plant Population _____ Soil Moisture 0-12 60/65 12+ 45 %AWC _____

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:

- | | |
|--|--|
| <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"/> Field Sandbur FS | <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"/> Perennials P |
| <input type="checkbox"/> Milkweed CM | <input type="checkbox"/> Pokeweed PW |



- 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 _____ %
 Density _____ Variance _____
 Growth OK Variance OK
 Plant spacing _____ Variance _____
 Emergence _____ Variance _____
 Soil Temperature _____ 2"

- | | | | | |
|--|---|---|--------------------------------------|------------------------------------|
| <input type="checkbox"/> Cutworms | <input type="checkbox"/> White Grubs | <input type="checkbox"/> Seed Corn Maggots | <input type="checkbox"/> Root Damage | <input type="checkbox"/> Plants |
| <input type="checkbox"/> Armyworms | <input type="checkbox"/> Flea Beetles | <input type="checkbox"/> Foliar Disease-Rust <u>OK</u> | <input type="checkbox"/> Insects | <input type="checkbox"/> Purplish |
| <input type="checkbox"/> Stalkborers <u>OK</u> | <input type="checkbox"/> Aphids <u>OK</u> | <input type="checkbox"/> Foliar Disease-Fungi <u>OK</u> | <input type="checkbox"/> Diseases | <input type="checkbox"/> Yellowish |
| <input type="checkbox"/> Wireworms | <input type="checkbox"/> Slugs | <input type="checkbox"/> Corn Borer-% _____ | <input type="checkbox"/> Nematodes | <input type="checkbox"/> Stunting |
| <input type="checkbox"/> Spider mites | <input type="checkbox"/> Leafhoppers | <input type="checkbox"/> Stunted plants | | |

BioEnt - Early Season Survey Gary Manley 269-273-7070 or 269-816-1080

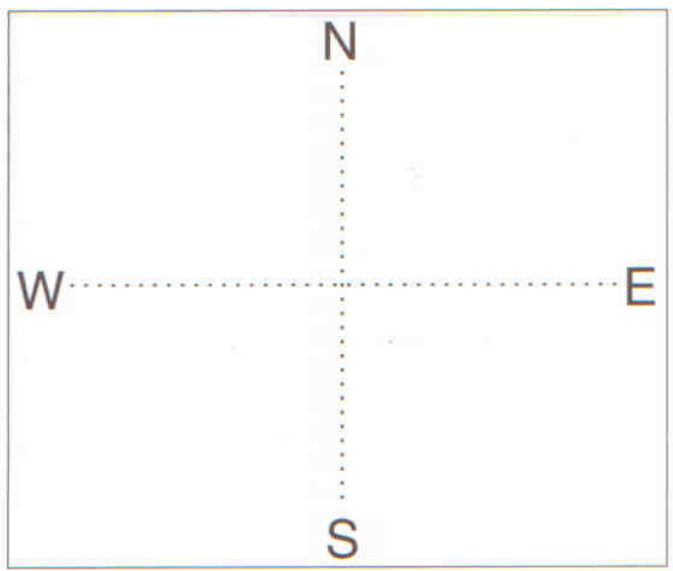
Seed Corn Corn Soybeans Wheat _____ Grower MSU Date 7/11/2013
 Field Name/Number G2R4V8 Growth Stage _____
 General Appearance ok Size 3 Variance ok Leaf Color ok Variance ok
 Plant Population ok Soil Moisture 0-12 65 12+ 65/70 %AWC

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:
 Spray grass with drops

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



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 _____ %
 Density _____ Variance _____
 Growth ok Variance ok
 Plant spacing _____ Variance _____
 Emergence _____ Variance _____
 Soil Temperature _____ 2"

Cutworms White Grubs Seed Corn Maggots Foliar Disease-Rust ok
 Armyworms Flea Beetles Foliar Disease-Fungi ok
 Stalkborers ok Aphids Corn Borer-% _____
 Wireworms Slugs ok Stunted plants
 Spider mites Leafhoppers

Root Damage Plants
 Insects Purplish
 Diseases Yellowish
 Nematodes Stunting

BioEnt - Early Season Survey Gary Manley 269-273-7070 or 269-816-1080

Seed Corn Corn Soybeans Wheat _____
 Field Name/Number G3R4 Growth Stage _____
 General Appearance OK Size OK Variance OK Leaf Color OK Variance OK
 Plant Population OK Soil Moisture 0-12 65 12+ 70 %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:
 6-8" early flower
 U5/6
 Scattered grasses
 (low density)

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

Soybean Aphid present
 Populations low, just
 starting - Immature
 low level grasshoppers

N
 W E
 S

- 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 _____%
- Density _____ Variance _____
- Growth OK Variance OK
- Plant spacing _____ Variance _____
- Emergence _____ Variance _____
- Soil Temperature _____ 2"

- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Aphids few only
- Slugs
- Leafhoppers
- Seed Corn Maggots
- Foliar Disease-Rust
- Foliar Disease-Fungi OK
- Corn Borer-% _____
- Stunted plants

- Root Damage
- Insects
- Diseases
- Nematodes
- Plants
- Purplish
- Yellowish
- Stunting

BioEnt - Early Season Survey Gary Manley 269-273-7070 or 269-816-1080

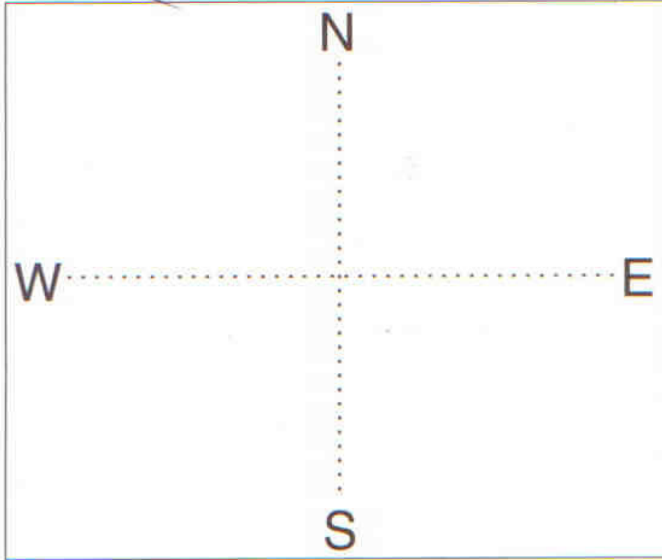
Seed Corn Corn Soybeans Wheat _____
 Field Name/Number G4R4 / 14 Growth Stage V8 / 14
 General Appearance ok Size V8 / 3 Variance ok Leaf Color ok Variance ok
 Plant Population _____ Soil Moisture 0-12 65 12+ 65-70 %AWC

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:
 Scattered AG - low levels
 Some Grasshopper (minor) feeding.

- | | |
|---|--|
| <input checked="" 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"/> Field Sandbur FS | <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"/> Perennials P |
| <input type="checkbox"/> Milkweed CM | <input type="checkbox"/> Pokeweed PW |



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 _____ %
 Density _____ Variance _____
 Growth ok Variance ok
 Plant spacing _____ Variance _____
 Emergence _____ Variance _____
 Soil Temperature _____ 2"

<input type="checkbox"/> Cutworms	<input type="checkbox"/> White Grubs	<input type="checkbox"/> Seed Corn Maggots
<input type="checkbox"/> Armyworms	<input checked="" type="checkbox"/> Flea Beetles	<input type="checkbox"/> Foliar Disease-Rust <u>ok</u>
<input type="checkbox"/> Stalkborers	<input type="checkbox"/> Aphids	<input type="checkbox"/> Foliar Disease-Fungi <u>ok</u>
<input type="checkbox"/> Wireworms	<input type="checkbox"/> Slugs	<input type="checkbox"/> Corn Borer-% _____
<input type="checkbox"/> Spider mites	<input type="checkbox"/> Leafhoppers	<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