

BioEnt - Early Season Survey

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

Seed Corn Corn Soybeans Wheat Green Beans
 Field Name/Number G1 R1 Grower MSY Date 6/4/20
 General Appearance good Size 5" Variance ok Leaf Color good Variance ok
 Plant Population _____ Soil Moisture 0-12 70 12-24 75-80 24+ 80 %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 ~~seed~~ weather and
 Yes, see comments
 Planted after cob's weather and
 High 4 days of cool
 FERN - effected development of seed

Comments:
 30 28 29 28 28 30
 28, 377/ACRE
 STOVER section: seeds in ground
 sprouted but did not emerge
 Planted May - 13-2020
 G1 R3
 27 31 30 31 26 30
 29, 166/acre

- Annual Grasses AG
- Foxtail F
- Panicum -Fall FP
- Quack grass QG
- Wirestem Muhly WM
- Maretail MT
- 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

N
 STOVER area low population
 seeds sprouted but did not emerge
 W E
 Some bird damage -
 seeds removed -
 other seeds started to grow & growing point dead
 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 ok %
 Density ok Variance ok
 Growth ok Variance ok
 Plant spacing ok Variance ok
 Emergence ok Variance ok
 Soil Temperature _____ 2"

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

Root Damage Plants
 Insects Purplish
 Diseases Yellowish
 Nematodes Stunting

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Seed Corn
 Corn
 Soybeans
 Wheat
 Green Beans

Date 6/4/2020

Field Name/Number G1 - all Dept Grower MSU Growth Stage V5+

General Appearance _____ Size _____ Variance _____ Leaf Color _____ Variance _____

Plant Population _____ Soil Moisture 0-12 70 12-24 75-80 24+ 80 %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

SEE Notes

Comments: General-STOVER AREA

Poor populations due to various:

① Bird damage - SEEDS Removed

② SEED in soil, but germinated but did not emerge. growing point dead under ground

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

- | | | | |
|---|---|--|-----------------------------------|
| <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: | | |
| <input type="checkbox"/> Spots | <input type="checkbox"/> General | <input type="checkbox"/> Hard | <input type="checkbox"/> 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 | <input type="checkbox"/> Yellowish whorl | | |
| <input type="checkbox"/> Buggywip | <input type="checkbox"/> Stalk bending | <input type="checkbox"/> Twisted whorl | |
| <input type="checkbox"/> Doubles _____% | | | |
| <input type="checkbox"/> Density _____ | Variance _____ | | |
| <input type="checkbox"/> Growth _____ | Variance _____ | | |
| <input type="checkbox"/> Plant spacing _____ | Variance _____ | | |
| <input type="checkbox"/> Emergence _____ | Variance _____ | | |
| <input type="checkbox"/> Soil Temperature _____ | 2" | | |

N
 general planted May 13th
 W following several days of
 cold weather (27-30°F)
 planting followed by 4 days
 of cool rain
 S

- | | | |
|--|--|---|
| <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 |