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

Date 7/13/2014

General Appearance: OK
Size: 5'
Variance: OK
Leaf Color: OK
Variance: OK

Plant Population: OK
Soil Moisture 0-12: 55/60
12+: 55
%AWC

Vigor: Good
Stress: Heat
Stress-Chlorophyll: None
Weed Control: Good

Comments:
Late pollination
Color growth good.
Some yellowing bottom leaves due to nitrogen
Lost most bottom 3-4 leaves

Corn Protophorm adults:
1/0/plant Range
Minor Silk damage

ACTION:
None Required
Yes, see comments

Annual Grasses AG
Foxtail F
Panicum -Fall FP
Quack grass QG
Wiresstem Muhly WM
Field Sandbur FS
Crabgrass CG
Johnsongrass JG
Shatercane 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 HDN
Lambsquarter LQO
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
Emergence: Breaking
Nutrient Deficiency: Spots
Soil Compaction:
Spots
General
Standing Water
Small Spots
Large Spots
Herbicide damage: Emergence stress
Physiological Disorder in Corn
Yellowish whorl
Buggywip
Stalk bending
Twisted whorl
Doubles
Density:
Growth:
Plant spacing:
Emergence:
Soil Temperature 2°

Root Damage
Insects
Diseases
Nematodes
Stunting

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

1/4" Root PE
Spike PE
VC / V1
Hard
Crusted
Small Spots
Large Spots

No
BioEnt – Early Season Survey

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

☐ Seed Corn ☑ Corn ☐ Soybeans ☐ Wheat ☐ Grower 2MSA Date 7/13/2014

Field Name/Number: G2E

General Appearance: OK Size: OK Variance: OK Leaf Color: Good Variance: OK

Plant Population: OK Soil Moisture: 0-12 55/60 12+ 55 %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:

Mid pollination

Minor lower leaf yellowing, mostly without

No corn worm adults

☐ Annual Grasses AG ☐ Foxtail F ☐ Panicum-Fall FP
☐ Quack grass QG ☐ Wirestem Muhly WM
☐ Field Sandbur FS ☐ Crabgrass CG
☐ Johns Gregg JG ☐ Shaltercane SCA
☐ Nutseedl NS ☐ Winter Annuals WA
☐ Chickweed CW ☐ Biannials WB
☐ Cover Crop CC ☐ Velvetleaf VL
☐ Cocklebur CBUR ☐ Milkweed CM
☐ Pigweed RRP ☐ Horsenettle HN
☐ Bindweed -Field FWB ☐ Bindweed -Hedge HBW
☐ Smartweed -Penn. PSM ☐ Smart-Swamp SSM
☐ Dogbane -Hemp HDB ☐ Lambsquarters LQO
☐ 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:
☐ Spots ☐ General ☑ Hard ☐ Crusted
Standing Water ☐ Small Spots ☐ Large Spots
Herbicide damage ☐ Emergence stress
Physiological Disorder in Corn ☐ Yellowish whorl
☐ Buggywi ☐ Stalk bending ☒ Twisted whorl
Doubles: ☑ % Density: ☑ Variance
Growth: ☑ OK Variance: ☑
Plant spacing: ☑ Variance
Emergence: ☑ Variance
Soil Temperature: 2

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

Root Damage: ☐ Insects ☐ Plants
Diseases ☐ Purplish
Yellowish ☐ Nematodes
Stunting

NY 08-03-27
BioEnt – Early Season Survey

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

☐ Seed Corn ☒ Corn ☐ Soybeans ☐ Wheat ☐ Grower MNS Date 7/13/2014

Field Name/Number: 3231

General Appearance: ☐ Good ☐ Poor
Size: ☐ Good ☐ Poor
Variance: ☐ Good ☐ Poor

Leaf Color: ☐ Good ☐ Poor
Variance: ☐ Good ☐ Poor

Plant Population: ☐ Ok
Soil Moisture: 0-12: ☐ 95/100
12+: ☐ 5
% AWC: ☐

Vigor: ☐ Good ☐ OK ☐ Poor
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:
N: Flood pollination
CORN/growth good.
S: Some lower leaf yellowing due to nitrogen
Bottom 1-2 leaves - minor effect.

No corn root worm adults.

☐ Annual Grasses AG
☐ Foxtail F
☐ Panicum -Fall FP
☐ Quack grass QG
☐ Wirestem Muhly WM
☐ Field Sandbur FS
☐ Crabgrass CG
☐ Johnsongrass JG
☐ Shatercane SCA
☐ Nutsedge NS
☐ Winter Annuals WA
☐ Chickweed CW
☐ Biennials WB
☐ Cover Crop CC
☐ Velvetleaf VL
☐ Cocklebur CBUR
☐ Milkweed CM

☐ Pigweed RRP
☐ Horsetail HN
☐ Bindweed -Field FBW
☐ Bindweed -Hedge HBW
☐ Smartweed -Penn. PSM
☐ Smart -Swamp SSM
☐ Dogbane -Hemp HDB
☐ Lambquarters LOU
☐ 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: ☐ 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: ☐ OK ☐ Variance
Growth: ☐ Variance
Plant spacing: ☐ Variance
Emergence: ☐ Variance
Soil Temperature: 2°

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

Root Damage: ☐ Insects ☐ Plants
☐ Diseases ☐ Purplish
☐ Yellowish
☐ Nematodes ☐ Stunting
BioEnt – Early Season Survey  Gary Manley 269-273-7070 or 269-816-1080

Seed Corn □ Corn □ Soybeans □ Wheat □  Grower J2644 Date 7/3/2014
Field Name/Number □ 4GRL Growth Stage
General Appearance □ Size □ Variance □ Leaf Color □ Variance □
Plant Population □ Soil Moisture 0-12 □ 55/60 □ 12+ □ 55 □ %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:
20-24” Range
Color/Growth Good
Flower Pod Set

Few Scattered Aphids
          □ Very Low Levels)

Few grasshoppers
          □ Japanese Beetles
          □ Low Level

Early stages of downy mildew

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
          □ Buggywip □ Stalk bending □ Twisted whorl
          □  Doubles □ %
Density □ OK □ Variance □ Ok
Growth □ OK □ Variance □ Ok
          □ Plant spacing □ Variance □ Ok
          □ Emergence □ Variance □ Ok
          □ Soil Temperature □ 2”

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

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