**BEAN INSECT AND DISEASE REPORT**

**Date:** 9/10/2015  
**Grower:** TR3  
**Field(s):** None Required  
**Crop Stage:** R6/R7  
**Plant Height:** 2-3"  
**Soil Moisture:** 0-6"  
**55/60 kHz 6-12"+ 55/60 %AWC**

### INSECT SPECIES

<table>
<thead>
<tr>
<th>INSECT SPECIES</th>
<th>LIFE STAGE (ELPA)</th>
<th>EVALUATION</th>
<th>DIST. (S-G)</th>
<th>THRESHOLD</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worms - misc</td>
<td>larvae</td>
<td>% plts affected</td>
<td></td>
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<td>Japanese Beetle</td>
<td>adults</td>
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<tr>
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<td>adults/nymphs</td>
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<td>Alatoid nymphs</td>
<td>% population</td>
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<tr>
<td>Aphids</td>
<td>Winged adults</td>
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### DISEASES

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</tbody>
</table>

**Comments:**

**Uniformity:** Ok  
**General Appearance:** Ok  
**Leaf Color:** Yellowing  
**Deficiency:** Ok  
**Total Leaf Damage:**  
**Round-up Seed:** Yes No  
**Rev 02-01-12**
**BioEnt Agricultural Consulting**  
Gary Manley 269-273-7070 or 269-816-1080

**BEAN INSECT AND DISEASE REPORT**

Date 9/10/2015  
Grower MSD  
Field(s) T2R3  
Crop Stage RYLP6  
Plant Height 2-3  
Soil Moisture 0-6"  

### Vigor:
- [ ] Good  
- [ ] Ok  
- [ ] Poor  
- [ ] General  
- [ ] Spotty

### Stress:
- [ ] Heat  
- [ ] Moisture  
- [ ] General  
- [ ] Spotty

### Stress-Chlorophyll:
- [ ] None  
- [ ] Low  
- [ ] High  
- [ ] General  
- [ ] Spotty

### Weed Control:
- [ ] Good  
- [ ] Ok  
- [ ] Poor  
- [ ] Spotty

#### Uniformity
- [ ] Ok

#### General Appearance
- [ ] Ok

#### Leaf Color
- [ ] Ok

#### Deficiency
- [ ] Ok

#### Total Leaf Damage
- [ ] Low

#### Round-up Seed
- [ ] Yes  
- [ ] No

#### ACTION
- [ ] None Required
- [ ] Watch
- [ ] Yes, see below

---

**INSECT SPECIES**

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**Comments:**
BioEnt Agricultural Consulting  Gary Manley 269-273-7070 or 269-816-1080

BEAN INSECT AND DISEASE REPORT

Date  9-10-2015  Grower  T3 R3  Field(s)  T3 R3
Crop Stage  R6/Y  Plant Height  2-3  Soil Moisture  0-6"  6-12"+  55/60  %AWC

Vigor:  A  Good  □  Ok  □  Poor  □  General  □  Spotty
Stress:  □  Heat  □  Moisture  □  General  □  Spotty
Stress-Chlorophyll:  □  None  □  Low  □  High  □  General  □  Spotty
Weed Control:  □  Good  □  Ok  □  Poor  □  Spotty  □  Grasses  □  Broadleaves  □  Perennials

Uniformity  □  General  □  Spotty
General Appearance  □  Ok
Leaf Color  □  Yellowing
Deficiency  □  Ok
Total Leaf Damage  □  Low
Round-up Seed  □  Yes  □  No

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Comments:
**BioEnt Agricultural Consulting**  
**BEAN INSECT AND DISEASE REPORT**

**Date:** 9/10/2015  
**Grower:**  
**Field(s):**  
**Crop Stage:**  
**Plant Height:**  

**Soil Moisture:**  
- 0-6"  
- 6-12"+  
- %AWC

| Vigor: | Good | Ok | Poor | General | Spotty
|-------|------|----|------|---------|------
| Stress: | Heat | Moisture | General | Spotty
| Stress-Chlorophyll: | None | Low | High | General | Spotty
| Weed Control: | Good | Ok | Poor | Spotty

- Grasses
- Broadleaves
- Perennials

**Uniformity:**  
- Ok

**General Appearance:**  
- Ok

**Leaf Color:**  
- Ok

**Deficiency:**  
- Ok

**Total Leaf Damage:**  
- Low

**Round-up Seed:**  
- Yes
- No

### INSECT SPECIES

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### DISEASES

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**Comments:** Fox tail dense in row - cut off, but send up side shoots that have seed heads.
### BioEnt – Early Season Survey

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

- **Grower:** [Name]
- **Date:** 7/10/2015

#### Field Name/Number

- **Growth Stage:** [Growth Stage]

#### General Appearance

- **Size:** [Size]  
  - Variance
- **Leaf Color:** [Color]  
  - Variance

#### Vigor

- **Soil Moisture:** [Moisture]  
  - 0-12
  - 12+
  - %AWC

#### Stress

- **Heat:** [Heat]  
  - General
  - Spotty
- **Moisture:** [Moisture]  
  - General
  - Spotty
- **Nitrogen:** [Nitrogen]  
  - General
  - Spotty

#### Stress-Chlorophyll

- **None:** [None]  
  - Low
  - High
  - General
  - Spotty

#### Weed Control

- **Grasses:** [Grasses]  
  - General
  - Spotty
  - Dense Spots
- **Broadleaves:** [Broadleaves]  
  - General
  - Spotty
- **Perennials:** [Perennials]

#### Comments:

- Sprayed
- Die back normal
- Looks ok.
- Some annual weeds & grasses emerging.

#### ACTION:

- None Required
- Watch
- Yes, see comments

#### Insects

- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Aphids
- Slugs
- Leafhoppers

#### Diseases

- Foliar Disease-Rust
- Foliar Disease-Fungi
- Stuntborers
- Seed Corn Maggots
- Aphids
- Wireworms
- Slugs
- Leafhoppers

#### Nematodes

- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Aphids
- Slugs
- Leafhoppers
- Root Damage
- Insects
- Diseases
- Stunted plants

#### Seed Corn Maggots

- Foliar Disease-Rust
- Foliar Disease-Fungi
- Corn Borer-%
- Stuntborers
- Seed Corn Maggots
- Aphids
- Wireworms
- Slugs
- Leafhoppers

#### Foliar Disease-Fungi

- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Aphids
- Slugs
- Leafhoppers
- Root Damage
- Insects
- Diseases
- Stunted plants

#### None

- Cutworms
- Armyworms
- Stalkborers
- Wireworms
- Spider mites
- White Grubs
- Flea Beetles
- Aphids
- Slugs
- Leafhoppers
- Root Damage
- Insects
- Diseases
- Stunted plants

#### Some annual weeds & grasses emerging.
BioEnt Agricultural Consulting  Gary Manley 269-273-7070 or 269-816-1080

BEAN INSECT AND DISEASE REPORT

Date 9/18/2015  Irrigated
Grower MSU Irrigation NS Study
Field(s)
Crop Stage R6/R7+  Plant Height 2.3'
Soil Moisture 0-6'' 40-75  6-12''+ 75 %AWC

Vigor: Good □ Ok □ Poor □ General □ Spotty
Stress: □ Heat □ Moisture □ General □ Spotty
Stress-Chlorophyll: □ None □ Low □ High □ General □ Spotty
Weed Control: □ Good □ Ok □ Poor □ Spotty
□ Grasses □ Broadleaves □ Perennials

INSECT SPECIES  LIFE STAGE (ELPA)  EVALUATION  DIST.  (S-G)  THRESHOLD  COMMENTS
Worms - misc  larvae  % pts affected
Japanese Beetle  adults  % leaf damage
Potato Leafhopper  nymphs  # per leaf
Spider Mites  nymphs  % plants affected
Aphids  adults/nymphs  # per plant
Aphids  Alatoid nymphs  % population
Aphids  Winged adults  % population
Other  larvae adult
Natural Enemies  L  M  H

DISEASES  PLT/PART Affected (sampled)  Region AFFECTED (range)  EVALUATION % Plts. Aff.  THRESHOLD  DIST. G/S  COMMENTS
Downy Mildew
White Mold
Common Blight
SDS
Charcoal Rot
Other
Other

Comments:
**BioEnt Agricultural Consulting**  
Gary Manley 269-273-7070 or 269-816-1080

**BEAN INSECT AND DISEASE REPORT**

Date: 9/10/2015  
Grower: M.S. Irrigation  
Field(s):  
Crop Stage: R6/R6+  
Plant Height: 2-3"  
Soil Moisture: 0-6"  

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<td>Japanese Beetle</td>
<td>adults</td>
<td>% leaf damage</td>
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<tr>
<td>Potato Leafhopper</td>
<td>nymphs</td>
<td># per leaf</td>
<td></td>
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<tr>
<td>Spider Mites</td>
<td>nymphs</td>
<td>% plants affected</td>
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<tr>
<td>Aphids</td>
<td>adults/nymphs</td>
<td># per plant</td>
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<tr>
<td>Aphids</td>
<td>Alatoid nymphs</td>
<td>% population</td>
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<tr>
<td>Aphids</td>
<td>Winged adults</td>
<td>% population</td>
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</tr>
<tr>
<td>Other</td>
<td>larvae/ adult</td>
<td></td>
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<tr>
<td>Natural Enemies</td>
<td>larvae/adult</td>
<td>L M H</td>
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**DISEASES**

<table>
<thead>
<tr>
<th>DISEASES</th>
<th>PLT/PART Affected (sampled)</th>
<th>Region Affected (range)</th>
<th>EVALUATION</th>
<th>THRESHOLD</th>
<th>DIST. G/S</th>
<th>COMMENTS</th>
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<tbody>
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<td>Downy Mildew</td>
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<td>White Mold</td>
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<td>Charcoal Rot</td>
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</table>

**Total Leaf Damage**

Round-up Seed: Yes [ ] No [ ]

**Comments:**

Non-Irrigated has a lot more yellow leaves than irrigated plot.