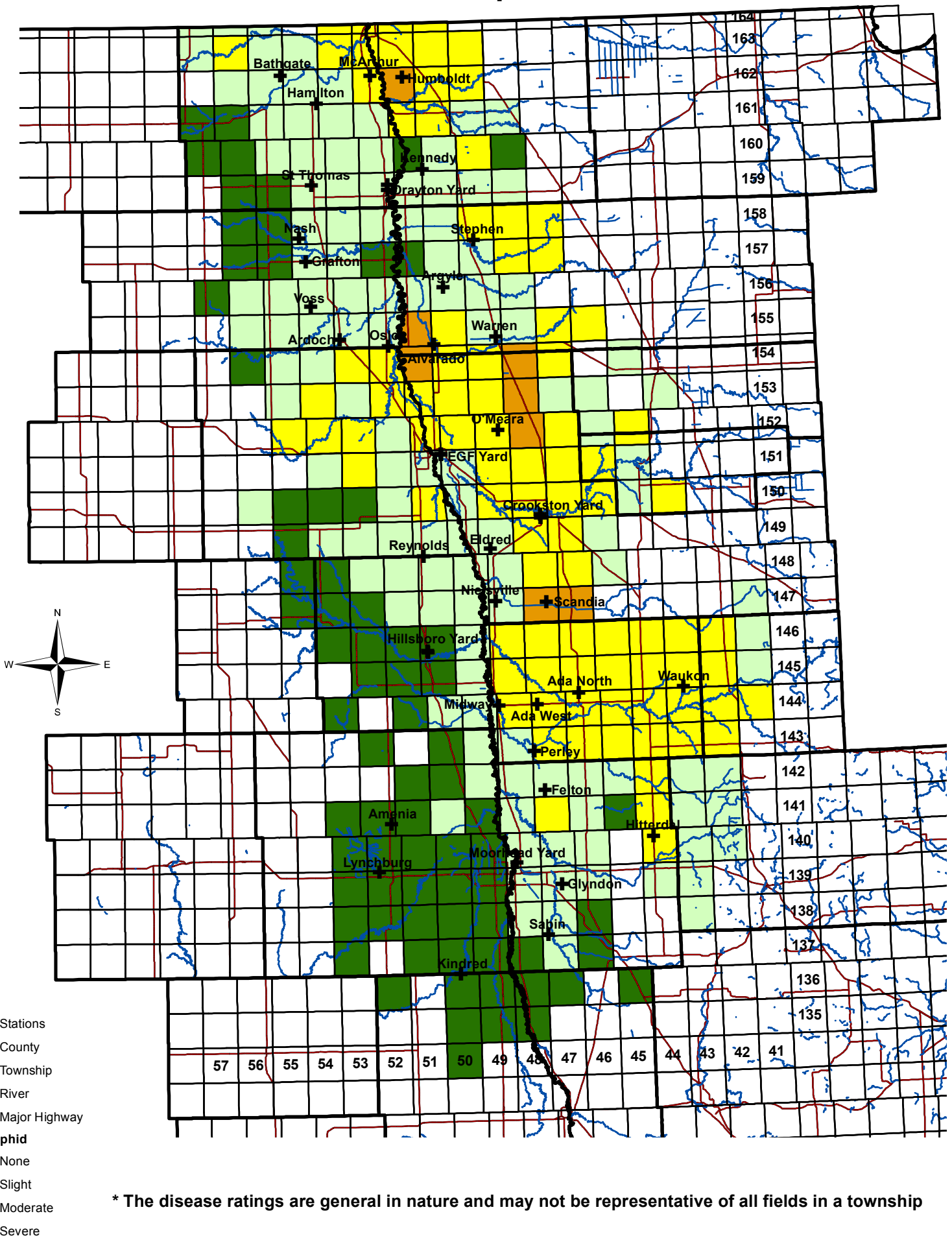


2016 Disease Rating* Root Aphid



* The disease ratings are general in nature and may not be representative of all fields in a township



Root Aphid Management*



| Severity | Management Opportunities |
|------------------------|---|
| <p>Severe</p> | <ul style="list-style-type: none"> ▪ Plant varieties with Root Aphid rating having HIGH Tolerance ▪ Avoid planting sugarbeet fields next to/near previous year sugarbeet fields ▪ Utilize crop rotations of 3 years or more ▪ Consider POST application of Terbufos (Counter) insecticide ▪ Monitor severity change with each sugarbeet crop ▪ Control alternate weed hosts (e.g. Pigweed, Curly dock, and Lambsquarters) ▪ Plant early ▪ Heavier soils (higher clay low sand content) are more prone to cracking and easier entry for Root aphid ▪ Dry soil conditions favor insect infestation |
| <p>Moderate</p> | <ul style="list-style-type: none"> ▪ Plant varieties with Root Aphid rating having HIGH Tolerance ▪ Avoid planting sugarbeet fields next to/near previous year sugarbeet fields ▪ Utilize crop rotations of 3 years or more ▪ Consider POST application of Terbufos (Counter) insecticide ▪ Monitor severity change with each sugarbeet crop ▪ Control alternate weed hosts (e.g. Pigweed, Curly dock, and Lambsquarters) ▪ Plant early ▪ Heavier soils (higher clay low sand content) are more prone to cracking and easier entry for Root aphid ▪ Dry soil conditions favor insect infestation |
| <p>Slight</p> | <ul style="list-style-type: none"> ▪ Plant varieties with Root Aphid rating having MODERATE Tolerance ▪ Avoid planting sugarbeet fields next to/near previous year sugarbeet fields ▪ Utilize crop rotations of 2 years or more ▪ Monitor severity change with each sugarbeet crop ▪ Control alternate weed hosts (e.g. Pigweed, Curly dock, and Lambsquarters) ▪ Plant early ▪ Heavier soils (higher clay low sand content) are more prone to cracking and easier entry for Root aphid |
| <p>None</p> | <ul style="list-style-type: none"> ▪ Plant varieties with Root Aphid rating having MODERATE Tolerance ▪ Avoid planting sugarbeet fields next to/near previous year sugarbeet fields ▪ Utilize crop rotations of 2 years or more ▪ Monitor severity change with each sugarbeet crop ▪ Control alternate weed hosts (e.g. Pigweed, Curly dock, and Lambsquarters) ▪ Plant early ▪ Heavier soils (higher clay low sand content) are more prone to cracking and easier entry for Root aphid |

* Management strategies listed in priority order