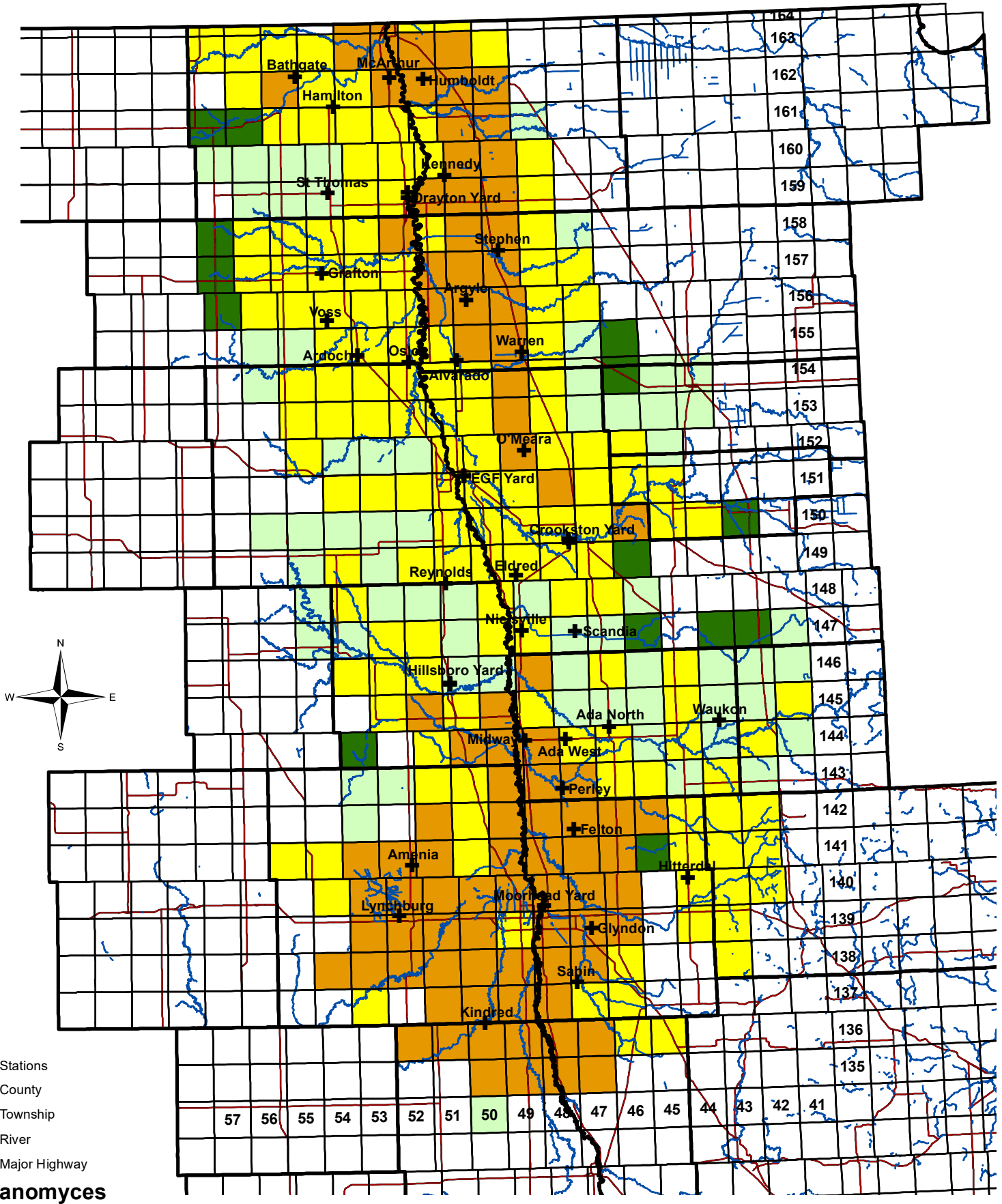


2022 Disease Rating* Aphanomyces



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

** Township disease ratings are based on current and historical observations of severity. The highest severity rating for a township is maintained since disease presence can remain in the soil for many years. Selecting proper varieties and production practices reduce disease incidence.



Aphanomyces Management*



Disease Severity	Management Opportunities
Severe	<ul style="list-style-type: none">▪ Plant specialty varieties with a rating of 4.4 or less▪ Apply Versalime at a rate of 7 dry tons per acre▪ Plant early▪ Provide excellent field drainage▪ Avoid fields with severe loss history if possible▪ Good weed control, especially of pigweed and lambsquarters▪ Rent disease-free land if possible▪ Maximize crop rotation length▪ Use 45 gram Tachigaren rate▪ Strongly consider tile drainage▪ Re-apply Versalime after 5 years▪ Oat precrop may reduce severity▪ Control insects
Moderate	<ul style="list-style-type: none">▪ Plant higher resistant varieties to slow disease buildup, 4.9 rating or lower▪ Apply Versalime at a rate of 5-7 dry tons per acre▪ Plant early▪ Provide excellent field drainage▪ Good weed control, especially of pigweed and lambsquarters▪ Maximize crop rotation length▪ Use 20 gram Tachigaren rate▪ Control insects
Slight	<ul style="list-style-type: none">▪ Plant higher resistant varieties to slow disease buildup, 4.9 rating or lower▪ Consider liming to minimize future losses▪ Plant early▪ Provide good field drainage▪ Good weed control, especially of pigweed and lambsquarters▪ Use long crop rotations▪ Control insects
None	<ul style="list-style-type: none">▪ Prevent introduction of disease▪ Choose any variety▪ Good drainage practices▪ Good weed control, especially of pigweed and lambsquarters▪ Proper crop rotations

* Management strategies listed in priority order