



PRIDE SEEDS

KEEPING INFORMED

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SEED TREATMENTS

The use of seed treatments has become a standard agronomic practice for many farmers across all crop types. Seed treatments are a major tool in the farmers 'toolbox' for pursuing higher yields. However, seed treatments are not the remedy to all problems and should be used in conjunctions with crop rotation, effective weed control and other agronomic practices to chase high grain corn and silage corn yields. Ultimately seed treatments protect your seed investment during the critical early developmental stages.

The benefits of seed treatments:

1. Protection from soil-borne diseases and insect damage

- Soil-borne diseases and insects can impact germination and seedling development

2. Improved seedling vigour and improved emergence

- Cold soils are conducive to seedling diseases but not crop development – including a seed treatment offers protection to the seed / seedling when conditions are not conducive to growth, and can enhance vigour and emergence once growing conditions change

3. Improved root system development

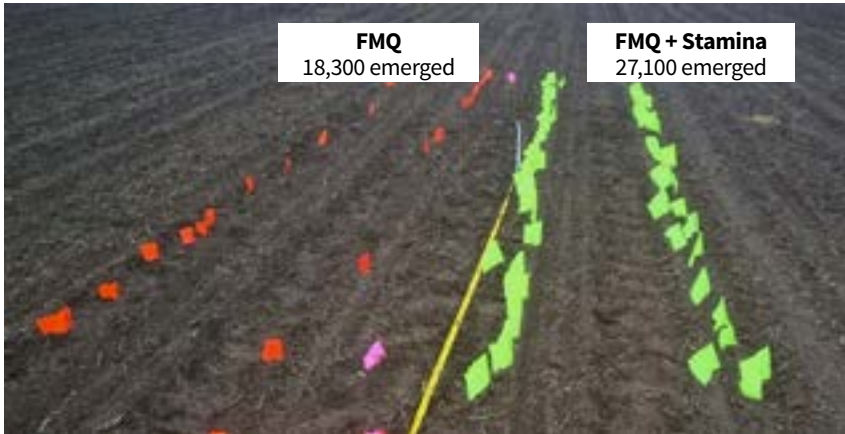
- Better developed root systems result in improved nutrient and water uptake, reduced lodging risk, and enhanced tolerance to environmental stress

4. Better tolerance to abiotic stresses

- Seed treatments can induce changes in the plant resulting in improved tolerance to abiotic stresses

PRIDE Seeds offers Fortenza® Maxim® Quattro plus Stamina® on all corn hybrids. Fortenza® Maxim® Quattro is a non-neonic insecticide and high-quality fungicide seed treatment product. Stamina® is a fungicide seed treatment that increases and maintains emergence consistency in cold soil condition.

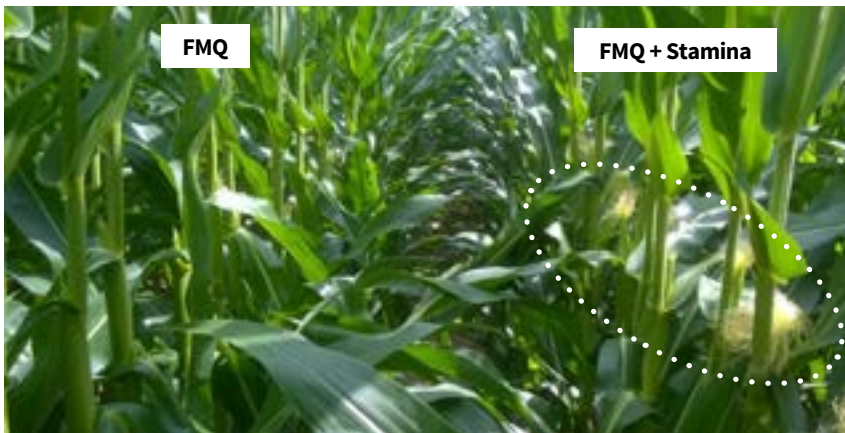
- **Fortenza®** is a group 28 insecticide providing protection against black cutworm, wireworm and European chaffer as well as suppression of seed corn maggot.
- **Maxim® Quattro** uses four different active ingredients from four different groups to control early season seedling diseases including: pythium, rhizoctonia, fusarium (two species: *F. graminearum* and *F. verticillioides*) and pathogen fungi (such as *Aspergillus* and *Penicillium*).
- **Stamina®** is applied in addition to Fortenza® Maxim® Quattro to provide increased cold tolerance to the seed and seedling. Stamina® Fungicide Seed Treatment has been associated with a more rapid and increased emergence of seedlings especially under cold conditions. Increased above and below ground seedling vigour, improved seedling disease control and earlier flowering due to enhanced ability to manage exposure to environmental stresses are the benefits of Stamina treatment. Stamina® includes the active ingredient pyraclostrobin – a group 11 fungicide.



Target Plant Population: 34,000 planted
Emergence Count: May 21

NOTE: FMQ = Fortenza® Maxim® Quattro

Increased emergence in plot treated with FMQ & Stamina (right) compared to untreated (left) - Due to protection from seedling disease pressure and/or providing increased cold tolerance.



Earlier silking (right) due to a faster start at emergence is beneficial as it reduces the risk of silking/flowering during the hottest part of the summer and increases the length of the grain fill period

Resources

[Article: Where's the Value in Seed Treatments](#)

[Article: Use of Seed Treatments](#)

[Fortenza® Maxim® Quattro product details](#)

[Stamina® Tech Sheet](#)

PRIDE Seeds Silage Training

Online module. In case you missed this info from our December newsletter, learn more about silage and be entered to win a prize pack. You'll learn how to select hybrids/ varieties, gain agronomic knowledge, get tips on harvesting and storage management. Take the training by January 15th in order to be eligible to win. Course is approved for CCA credits.

[> Click here to access the module](#)



PRIDE SEEDS

FOCUSED ON PERFORMANCE

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STAMINA® is a trademark of BASF SE; all used with permission of BASF Canada Inc. STAMINA fungicide seed treatment should be used in a preventative disease control program.

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