Crop Trends
Each season, the canola variety selected plays a large role in setting the yield potential of the crop, but in order to reach that goal, it’s important to address any limiting nutrients through a strong fertility program.

Proper nutrition early in the season gets the crop off to a strong start by reducing stand losses due to seedling disease, especially in cool, wet soils.

With a nutrient package that continues to deliver nutrients when and where the plant needs them, you are more likely to reach the full yield potential of your canola hybrid.

Key Micronutrients
Boron is essential for pollination and seed production in canola, so it’s important to keep this nutrient in mind when designing a fertilizer program.

Adequate levels of boron in canola are also necessary for:
- Proper cell wall formation
- Root development
- Pollen tube fertilization

Factors impacting nutrient availability
Boron deficiency is most common in coarse textured soils with:
- High soil pH
- Low soil organic matter
- High calcium or potassium levels
- Low soil moisture
- Leaching in coarse soils

Boron deficiencies can result in considerable yield losses, especially during the reproductive stages.

Visual deficiency symptoms in canola will appear first in new growth and include interveinal chlorosis, red to brown coloring, shortened stems and early leaf drop.

Boron deficiency causes poor root development, which can limit uptake of moisture and soil nutrients early in the season. During the reproductive stage, boron deficiency can lead to flower sterility and reduced pod formation, ultimately reducing yields.

Important considerations for zinc and boron
With high-yielding modern canola hybrids, it is more likely that the soil will be unable to supply adequate amounts of this micronutrient when the plant needs it – ultimately resulting in yield losses. However, there is a small window between deficiency and toxicity with some micronutrients, including boron, so it’s important to consider the 4R’s when selecting your source for boron fertilizer.
**Introducing Wolf Trax DDP Nutrients**

Wolf Trax DDP® Nutrients are designed to evenly coat granular fertilizer blends, which results in safe and even field distribution of the nutrient as compared to traditional granular micronutrients.

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**UNIQUE FEATURES OF WOLF TRAX DDP NUTRIENTS:**

**EvenCoat™ Technology**

Wolf Trax DDP Nutrients thoroughly coat each and every granule of a fertilizer blend. This results in a blanket-like distribution of the nutrient across the field, close proximity to plant roots and early plant uptake. Once applied, the Wolf Trax DDP Nutrient will not come off during transport or handling.

**PlantActiv™ Formulation**

Wolf Trax DDP Nutrients are chemically and physically designed for better, earlier availability to plants. The particle size is ideal for plant uptake, and the unique formulation helps nutrients avoid soil tie-up and remain plant-available.

**DUAL ACTION™ Availability**

With Wolf Trax DDP Nutrients, plants get the nutrition they need, when it’s needed most. The DUAL ACTION Availability means each DDP Nutrient is formulated with at least two forms of the mineral, providing immediate nutrient uptake by the plants, as well as continuous feeding over time. This ensures nutrients are available to the plant at the right time, and deficiencies are corrected during critical growth stages.

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**Wolf Trax DDP Nutrients are Field-Proven**

Plant tissue uptake of boron increased by 19% in canola treated with an application of Wolf Trax Boron DDP.

Applications of Wolf Trax Boron DDP increased canola seedling fresh weights by 14%.

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**Recommendations:**

Boron is an important micronutrient for canola production. Deficiencies can be observed in soils with high pH and high calcium levels, which is common in the traditional canola production areas of Western Canada. It is important to keep in mind the small window between deficiency and toxicity when it comes to boron. Wolf Trax Boron DDP delivers an ideal 1 to 2 ppm to the soil, avoiding boron toxicity, which can occur in plants near large boron granules.

**Dealer Comments:**

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*Based on limited data collected from multiple sites and multiple years where Boron DDP was applied as a fertilizer coating, in liquid fertilizers and/or in foliar applications.

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**Helping you make informed decisions on the positive returns from using micronutrients.**

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