



### **CITADEL® 480 EC**

- **Controls a broad spectrum of insect pests and is labeled for use in over 10 different crops**
- **Unique “triple” modes of action for excellent insect control**
- **Can be applied by ground or air**

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**Active Ingredient:** Chlorpyrifos

**Formulation:** Emulsifiable concentrate, 480 g/L, available in 10 litre jugs and 115 litre container.

**Mode of Action:** Broad spectrum, non-systemic insecticide that works by contact, ingestion, and inhalation (vapor action)

**Crops:** Wheat, barley, oats, canola, flax, lentils, sunflowers, potato, corn (sweet and field), several fruit and vegetable crops.

#### **Insects Controlled:**

| <b>*CROP</b>           | <b>*INSECT PEST</b>  |
|------------------------|--|
| Wheat, Barley, Oats    | Cutworms: army; dark sided; pale western; and redbacked armyworms, grasshoppers  |
| Wheat                  | Russian wheat aphid, brown wheat mite and wheat midge  |
| Canola                 | Cutworms: variegated; dark sided; pale western; army; and redbacked<br>Bertha armyworm; alfalfa looper; armyworm; diamondback moth larvae; grasshoppers; and lygus bug |
| Flax                   | Cutworms: variegated; dark sided; pale western; army; and redbacked<br>Bertha Armyworm; armyworm   |
| Lentils                | Pale western cutworm; grasshoppers   |
| Corn (field and sweet) | Cutworms: dark-sided; black; and redbacked   |

\*Refer to Citadel 480 EC label for other insects controlled for other labeled crops

**Tank mixes:** For application on wheat and barley, Citadel 480 EC can be tank mixed with: Logic® M; Buctril® M; 2,4-D Amine and Ester; MCPA Amine and Ester; Banvel® II + 2,4-D Amine  
For wheat and barley only, Citadel 480 EC can be tank mixed with Avenge®



## **Guidelines for Best Results**

- Rates /Water Volume:** Rates vary depending on target pest, crop type, and growth stage. Generally, use lower rates for young insects, light infestations, and sparse foliage. Use higher rates for heavy infestations, mature insects, heavy crop canopy, and under dry soil conditions.  
For aerial applications use 4-12 L/ac spray solution and for ground applications use 20-80 L/ac. Uniform coverage is essential for best results, as contact is a key mode of action.
- Application Timing:** Apply when economic damage is apparent or when insect numbers reach the economic threshold.
- Time of Day:** Apply in evening or early morning when winds are down and insect pests are most active. Avoid spraying under hot conditions (> 27 C). Crops growing under drought stress may be injured.
- Scout fields:** Follow label guidelines for when and how to monitor fields for specific insect pests. For example, with wheat midge, scout fields between flowering and heading. Evenings are best, as the midge is most active then.
- Rainfastness:** Citadel 480 EC is rainfast in 4-6 hours
- Grazing and Harvest:** Cereals grown for cover crop and treated with Citadel 480 EC should not be harvested for human or animal consumption if treated within 60 days of harvest.

**Always read and follow label directions.**

® T.M. Reg'd/M.D.