

lifescientific®

Dry Peas
Chickpea
Lentils
Faba Bean

Leedor™

Pulse Crops Fungicide

Leedor™ is a broad-spectrum systemic fungicide combining two powerful modes of action – a Group 3 triazole (prothioconazole) and a Group 11 strobilurin (trifloxystrobin) – for robust control of key pulse crop diseases including **white mold**, **Ascochyta blight**, **grey mold**, and **anthracnose**. Its dual-action formulation provides both preventive and curative activity, protecting yield potential through flowering and pod fill – equivalent formulation to Delaro®, now from Life Scientific.

MODE OF ACTION

Prothioconazole (Group 3 – DMI triazolinthione) inhibits sterol C-14 demethylase in fungal cell membranes. Trifloxystrobin (Group 11 – QoI strobilurin) inhibits mitochondrial respiration at the Qo site. This dual-site mode of action provides broad-spectrum disease control and supports integrated resistance management.

KEY BENEFITS

- Two modes of action (Group 3 + Group 11) in a single, convenient formulation
- Controls key pulse diseases: **white mold**, **Ascochyta blight**, **grey mold**, and **anthracnose** (lentils)
- Systemic and translaminar activity for thorough plant protection
- Flexible application timing – beginning of flowering or at first sign of disease
- Supports resistance management with built-in mode of action diversity
- Equivalent product profile to Delaro® – confirmed by independent LCMS* spectral analysis
(see comparison plot overleaf)

APPLICATION GUIDANCE

Application Methods: Ground sprayer; aerial (fixedwing and rotary wing)

Water Volume: Min 40 L/ac ground; min 20 L/ac aerial

Mixing Notes: Half-fill tank with water, add Leedor, fill to volume. Maintain agitation throughout.

Pre-Harvest Interval: 30 days (seed); 7 days (forage)

Rainfastness: 1 Hour

Max Applications: 2 per year

Min Re-application: 10–14 days

Max Seasonal Rate: 712 mL/ac (1,760 mL/ha)

Tank-Mix Notes: Follow most restrictive label of all products in the mixture. Contact Life Scientific before mixing unlisted products.

FUNGICIDE | GROUP 3, 11

ACTIVE INGREDIENTS

Prothioconazole 175 g/L

Trifloxystrobin 150 g/L

RESTRICTED-ENTRY INTERVAL

24 hours (12 days for detasseling in corn)

PACKAGE SIZE

7.1L Jug



SCOPE OF USE

Crop	Target Disease	Rate (mL/A)	Timing Guidelines
Dry Peas	Mycosphaerella blight Ascochyta blight White mold Grey mold	356 mL/ac	Beginning of flowering or first sign of disease. 2nd app 10–14 days later if pressure high
Chickpea	Ascochyta blight White mold Grey mold	356 mL/ac	Beginning of flowering or first sign of disease. 2nd app 10–14 days later
Lentils	Ascochyta blight White mold Grey mold Anthracnose	356 mL/ac	Beginning of flowering or first sign of disease. 2nd app 10–14 days later
Faba Bean	Grey mould & Chocolate spot White mould	356 mL/ac	Beginning of flowering or first sign of disease. 2nd app 10–14 days later

Max 2 applications per year. After each application, alternate with a non-Group 11 fungicide. If no alternative Group 11-free product is registered for the use, apply only once. In lentils, sequential Leedor apps permitted only when targeting unique pathogens per application. PHI: 7 days (forage cutting/swathing); 30 days (seed harvest).

RESTRICTIONS & STEWARDSHIP

Resistance Management: Group 3 + 11 fungicide. Rotate with different fungicide groups to delay resistance development. Use IPM practices including scouting, crop rotation, and disease thresholds.

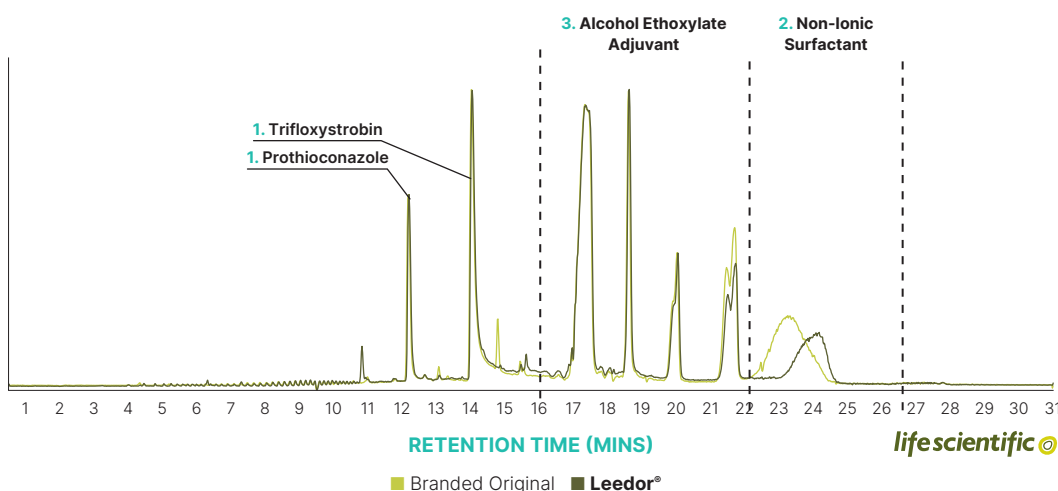
Storage: Do not store below freezing. If stored 1 year or longer, shake well before using. Keep in original container away from feeds, seeds, and foodstuffs.

Spray Buffer Zones (field sprayer): 1 m freshwater/estuarine (all depths); 1 m terrestrial.

Spray Buffer Zones (aerial – pulses): Fixed wing: 10 m (<1 m FW), 1 m (>1 m FW), 10 m (<1 m estuarine), 1 m (>1 m estuarine), 0 m terrestrial. Rotary: 10 m, 1 m, 5 m, 1 m, 0 m.

Rotation: Replant any crop on the label (incl. flax, sugarbeet) as soon as practical. Non-label crops: wait 30 days.

LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY ANALYSIS



- Active ingredients –** Prothioconazole + Trifloxystrobin. Slight variation is expected due to different sources of the active, which has no impact on efficacy or active content
- Non-Ionic Surfactant –** Aiding in stabilizing the dispersed active particles while improving wetting and dispersion during formulation and dilution. Slight variation in peak shape is expected due to normal variation in source of materials.
- Alcohol Ethoxylate Adjuvant –** Acts as an emulsifier and provides better performance in leaf coverage, alongside leaf penetration.

*Liquid Chromatography - Mass Spectrometer (LCMS), scan our QR code for more information.

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PCPA REGISTRATION NO. PENDING

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