AgCelence®
Expect more

Insure Pulse fungicide seed treatment
technology sheet

Combines Xemium® with AgCelence® benefits[1] to maximize pulse, soybean, flax and mustard production.

- The first fungicide seed treatment with Xemium, for unique translocation and mobility characteristics
- Delivers more consistent and continuous protection against key seed and seedling diseases, including ascochyta
- **AgCelence** benefits[1] offer premium, broad-spectrum disease control, more consistent and increased germination and emergence, including under cold conditions
- Enhances seedling vigour above and below ground, along with the ability to better manage environmental stresses

Active ingredients
Metalaxyl – Group 4
Fluxapyroxad – Group 7
Pyraclostrobin – Group 11

Formulation
Water-based suspension

One case contains
2 x 9.8 L jugs
Also available in 120 L drum or 450 L tote

Storage
Store in cool, dry conditions, away from feed or foodstuffs. Do not freeze.

Crops
Field peas, lentils (all classes), soybeans, chickpeas, dry beans, faba beans, flax (*Linum usitatissimum*), mustard (*Brassica hirta*)

Treatment
Standard slurry or mist-type application equipment

Diseases controlled and suppressed

In pulses and soybeans.
Seed rot and seedling blight caused by soil-borne *Fusarium* spp. and *Pythium* spp.
Seed rot, seedling blight and root rot caused by soil-borne *Rhizoctonia solani*
Seedling blight caused by seed-borne *Ascochyta* spp.
Root rot caused by soil-borne *Fusarium* spp.[2]
Seed rot and seedling blight caused by seed-borne *Botrytis cinerea*[2]
Anthracnose seeding blight caused by seed-borne *Colletotrichum lindemuthianum*[2]

In flax and mustard.
Seed rot, seedling blight and root rot caused by soil-borne *Fusarium* spp. and *Rhizoctonia solani*
Seed rot and seedling blight caused by soil-borne *Pythium* spp.[3]
Seedling blight and root rot caused by soil-borne *Alternaria brassicae*[3]
Seed rot, seedling blight and root rot caused by soil-borne *Leptosphaeria maculans*[3]

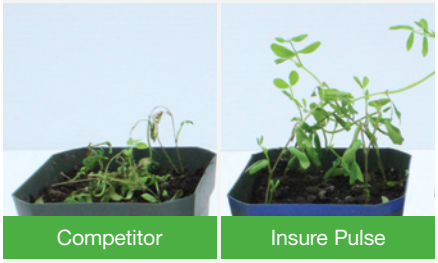
[1] **AgCelence** benefits refer to products that contain the active ingredient pyraclostrobin.
[2] Suppression only.
[3] In mustard only.

BASF
We create chemistry

Insure® Pulse

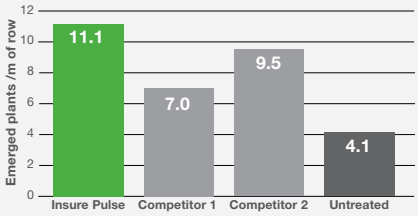
Xemium® Fungicide Seed Treatment

Increased seedling vigour with Insure Pulse vs competitor on lentils



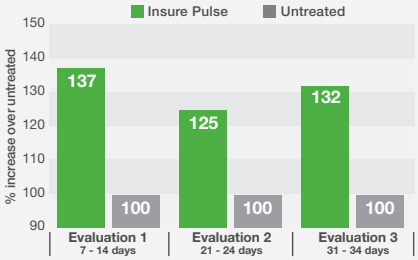
Plants infected with anthracnose at second-node stage.
Source: BASF internal trial, 2017

Lentils – More plants emerged under fusarium disease pressure



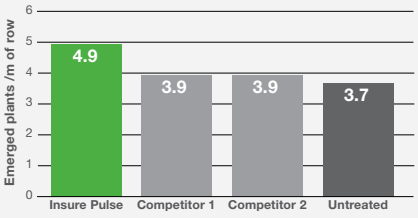
Source: Third party generated registration data, 2013

Flax – Increased emergence[5]



Source: BASF Research Authorization trials, 2015, n=3
[5] Each evaluation was completed on the same row at 3 different dates for each treatment.

Field peas – Number of plants emerged under botrytis disease pressure



Source: Third party generated registration data, 2013

For more information:

Call **AgSolutions** Customer Care at 1-877-371-BASF (2273)

Visit **agsolutions.ca**

Application rates

Apply Insure® Pulse fungicide seed treatment at 300 ml/100 kg (220 lb) seed for pulses and soybeans, at 300 to 600 ml/100 kg seed for flax[4] and at 600 ml/100 kg seed for mustard.

Crop	Bushels (bu) treated per jug	Bushels (bu) treated per 120 L drum	Bushels (bu) treated per 450 L tote
Field peas	120	1,469	5,510
Lentils (all classes)	120	1,469	5,510
Soybeans	120	1,469	5,510
Chickpeas	120	1,469	5,510
Dry beans	120	1,469	5,510
Faba beans	120	1,469	5,510
Flax[4]	64 to 128	784 to 1,567	2,939 to 5,878
Mustard	72	882	3,306

[4] For flax (*Linum usitatissimum*), use a higher rate of 600 ml/100 kg seed if: a) there is a history of high disease pressures in the field or b) where field conditions favour seed- and soil-borne pathogens. If using the 600 ml/100 kg rate, it is highly recommended that the seed be treated into a bin or truck box to allow the treated seed to dry prior to placing into the seeder hopper. This will prevent clumping and bridging in the seeder.

Directions for use

When used at the recommended rate, no additional dyes or dilutions with water are needed unless recommended by the manufacturer of the seed treatment application equipment.

If recommended by the manufacturer of the seed treatment application equipment, increase the use rate proportionally to the dilution rate (e.g. add 100 ml of water to 300 ml of Insure Pulse, then apply at 400 ml/100 kg seed).

Please consult the seed treatment application equipment manufacturer in question for further directions.

Application tips

Ensuring thorough seed coverage offers the best protection from seed- and soil-borne diseases. Seed should be sound and well cleaned prior to treatment to ensure maximum coverage and to prevent dusting off.

Do not use treated seed for food, feed or oil production.

Insure Pulse contains sufficient pigment to conspicuously colour and coat treated seed. Regulations pertaining to the colouration of treated seed enforced under the “Seeds Act” must be strictly adhered to when using Insure Pulse.

Inoculant compatibility

For details on seed treatment and inoculant compatibility, see the Applied Pesticide Compatibility Information for the respective crops available on **agsolutions.ca**, call **AgSolutions**® Customer Care at 1-877-371-BASF (2273) or contact your BASF Sales Representative.

Tank mixes

None on label.

Always read and follow label directions.