SEED TREATMENT

Faster starts, stronger stands

Count on Apron Maxx RTA® to give your pulse crops the head start they need to achieve higher yields and better grades. With its two powerful fungicides, Apron Maxx RTA protects your pulses against a broad spectrum of early season seed- and soil-borne diseases.

Performance you can count on

Achieve strong stand establishment

Apron Maxx RTA protects seeds, roots, shoots and young seedlings from early season disease attack. And, healthier roots mean better nodulation by nitrogen-fixing bacteria, more efficient utilization of soil nutrients and ultimately, stronger plant stands.

Protect against seed-borne *Ascochyta*

Broad-spectrum disease protection. Soil-borne disease pathogens, such as *Pythium* spp., *Fusarium* spp. and *Rhizoctonia* spp., and seed-borne pathogens such as *Ascochyta* spp. and *Botrytis* spp., can be a constant concern for pulse growers. Apron Maxx RTA contains two powerful fungicides that protect your crops against all of the major early season diseases (see chart).

Healthy roots promote better nodulation

Multi-crop flexibility. Apron Maxx RTA is approved for use on lentils, chickpeas, dry peas (field peas), soybeans, succulent and dry beans (white, dark red kidney, light red kidney and cranberry beans) and lupins and fababeans.

Compatible with inoculants. Apron Maxx RTA is compatible with most inoculants, and research shows that using a seed treatment and an inoculant together is a powerful team, leading to higher yields and better grades.

Easy-to-use. Apron Maxx RTA is a water-based, ready-to-apply product that can be easily applied through both on-farm and commercial equipment. Water-based also means that it's easy to clean up after use.

Diseases	*Pythium* spp.	*Fusarium* spp.	*Rhizoctonia* spp.	*Botrytis* spp.	*Ascochyta* spp.	*Phomopsis* spp.	*Colletotrichum* spp.
LENTILS							
Seed Rot	●	●	●	●			
Pre- and Post-Emergence Damping-Off	●	●	●				
Seedling Blight	●	●	●	●			
Seedling Root Rot		●					
Seed-Borne *Ascochyta*[1]					●		
CHICKPEAS							
Seed Rot	●	●	●	●			
Pre- and Post-Emergence Damping-Off	●	●	●				
Seedling Blight	●	●		●			
Seed-Borne *Ascochyta*[2]					●		
SUCCULENT AND DRY PEAS							
Seed Rot	●	●	●				
Pre- and Post-Emergence Damping-Off	●	●	●				
Seedling Blight	●	●	●				
Seed-Borne *Ascochyta* Blight and Foot Rot[3]					●		
SOYBEANS							
Seed Rot	●	●	●			●	
Pre- and Post-Emergence Damping-Off	●	●	●				
Seedling Blight	●	●				●	
Seedling Root Rot		●					
SUCCULENT AND DRY BEANS							
Seed Rot	●	●	●				
Pre and Post-Emergence Damping-Off	●	●	●				
Seedling Blight	●						
Seed-Borne Anthracnose							●
LUPINS AND FABABEANS							
Seed Rot	●	●	●				
Pre- and Post-Emergence Damping-Off	●	●	●				
Seedling Blight	●	●	●				

● Control [1] Caused by *Ascochyta lentis* [2] Caused by *Ascochyta rabiei* [3] Caused by *Ascochyta pinodes*

Apron Maxx RTA provides early season protection against *Phytophthora* root rot for tolerant varieties of soybeans. If target fields have a history of high *Phytophthora* pressure, or susceptible varieties are to be treated, then tank mix Apron Maxx RTA with 31 mL of Apron XL®.

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Proof in the field

Getting your pulse crops off to the best possible start is the first step to ensuring a good finish come harvest. And that can mean more money in your pocket. Grower demonstration trials conducted by Syngenta in 2004 show how using Apron Maxx RTA resulted in higher, stronger emergence, better plant stand counts and ultimately higher yields..

Lentil grower demonstration trials

Treatment	Emergence (44 trials)	Plant stand (42 trials)	Final yield (29 trials)
	Plants per metre/row		bu./ac.
Untreated	22.9	24.8	24.7
Apron Maxx RTA	29.2	31.6	26.6

Based on a then current market price of $0.18/lb. for green lentils, and factoring in the treatment cost of $3.43 per bushel (based on a 90 lb. seeding rate), the average return on investment was $20.52 per acre or a $4 gross return on every dollar invested in Apron Maxx RTA.

Treat and inoculate for even better returns

Independent research shows that using Apron Maxx RTA plus an inoculant results in better nodulation and higher yield and grade compared to plants where only an inoculant has been applied. That's because the early season disease protection of Apron Maxx RTA helps improve root biomass, providing more anchorage points for the rhizobia to establish, and that means better nitrogen fixation potential.

Yield and quality

Treatment	Yield (bu./ac.)	Grade	1000 Kernel Wt.
Apron Maxx RTA + inoculant	19.2	No. 3 – 0.5% splits – 6% damage – 10% stain	74.20 g
Inoculant only	12.9	Feed – 20% damage – 25% stain	69.37 g

Crop: Sedley lentils.

Source: Syngenta R&D trials, Alberta and Saskatchewan, 2004-2005.

The pea plant treated with both Apron Maxx RTA and an inoculant (left) shows higher root biomass and nodulation, compared to the pea plant treated with an inoculant alone (right).

Source: Syngenta, Waldeim, Sask., 2004.

For further information, contact Syngenta Customer Resource Services at 1-87-SYNGENTA (1-877-964-3682) or visit syngenta.ca

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Always read and follow label directions.

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