

# **RANCONA™ APEX FUNGICIDE PERFORMANCE SUMMARY for SMALL GRAINS**

## **PRODUCT DESCRIPTION:**

RANCONA Apex is a seed applied fungicide that provides excellent protection against a broad spectrum of seed/seedling diseases on wheat, barley, rye, triticale and oats. RANCONA Apex is micro-dispersion formulation that makes it easy to apply and helps to ensure uniform coverage of seed which optimizes disease control.

RANCONA Apex contains the broad spectrum fungicide ipconazole which is an exceptional systemic as well as contact fungicide that provides a superior disease protection package for seed/seedlings. The strengths of this dual action protection include control of smuts and common bunt along with superior *Fusarium*, *Penicillium* Dry Rot and *Aspergillus* protection compared to Raxil® MD and Dividend® XL.

## **RATE:**

RANCONA Apex is applied at 325 mL per 100 kg for barley, oat, rye, triticale and wheat. The low rate of RANCONA Apex controls true loose smut of barley. A rate of 433 mL/100 kg of barley seed can be applied to highly infected seed lots.

## **RANCONA APEX BENEFITS:**

- The broad spectrum disease protection offered by RANCONA Apex can optimize emergence and stand which translates to higher average yields than the untreated and commercial standards.
- RANCONA Apex is a “Ready to Use” formulation that applies uniformly to both warm and cold seed. The low active loading and excellent seed adhesion means that it has very low dust off potential.
- Labeled diseases for RANCONA Apex are:

<b>DISEASE</b>	<b>CROP</b>
<b>General Seed Rots, Seedling Blight and Damping off<sup>1</sup></b>	<b>Barley, Oats, Rye, Triticale, Wheat</b>
<b>Suppression of common root rot</b>	<b>Barley, Oats, Rye, Triticale, Wheat</b>
<b>Loose Smut/True Loose Smut</b>	<b>Barley, Oats, Wheat</b>
<b>False Loose Smut</b>	<b>Barley</b>
<b>Covered Smut</b>	<b>Barley, Oats</b>
<b>Common Bunt</b>	<b>Wheat</b>
<b>Leaf Stripe</b>	<b>Barley</b>

1-Includes *Aspergillus*, *Cochliobolus sativus*, *Fusarium* and *Penicillium*.



**Always read and follow all label precautions and directions.**

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Dividend and RTA are registered trademarks of Syngenta  
Raxil is a registered trade mark of Bayer Crop Science.

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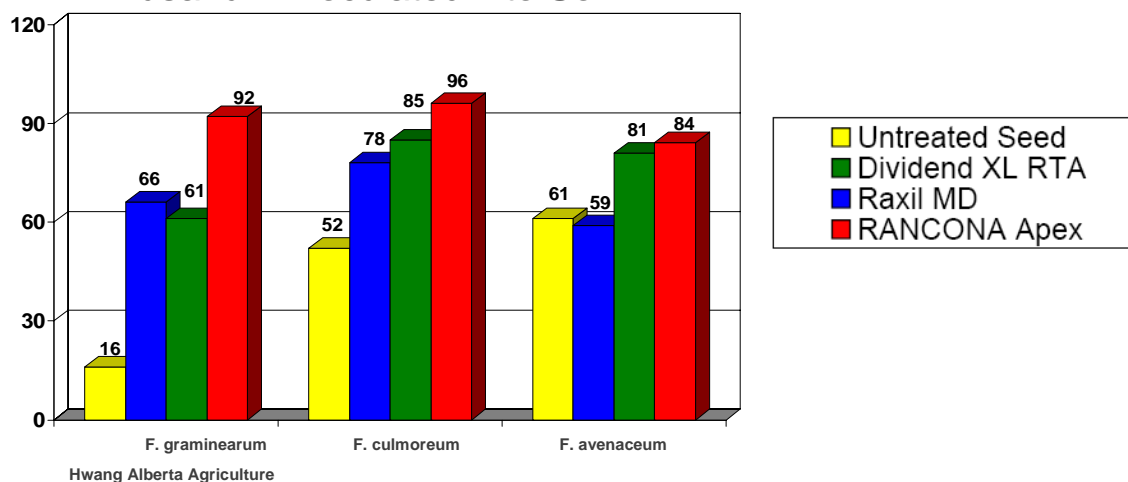
## **PERFORMANCE SUMMARY for SMALL GRAINS**

### **GRAINS**

#### **FIELD PERFORMANCE:**

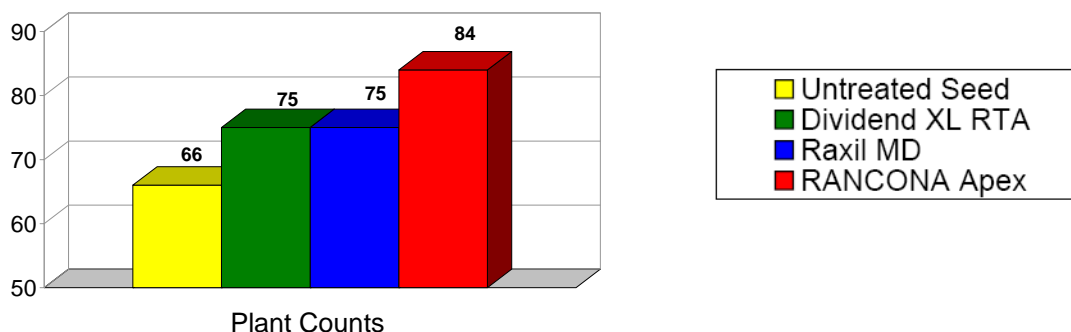
**Superior Soil Borne *Fusarium* Control:** *Fusarium* causes root rot and crown rot of all small grains. There are several different species of *Fusarium* that attack small grains with *F. culmoreum*, *F. graminearum* and *F. avenaceum* being the most common types. All three types of *Fusarium* can be soil borne and the systemic, longer lasting activity of ipconazole provides excellent early season protection from *Fusarium* species. The following are the results from an inoculated greenhouse study conducted to evaluate soil borne protection provided by RANCONA Apex against Dividend XL RTA and Raxil MD to different *Fusarium* types.

Percent Emergence of Wheat with Different  
*Fusarium* Inoculated into Soil



**Superior Seed Borne *Fusarium* Control:** *Fusarium* seed infection is one of the most common fungi found on small grains seed in eastern Canada. *Fusarium* infected seed can reduce emergence, increase the level of root rot and lower final yield with seed treatment being an effective practice to reduce losses. Dr Xue of AAFC Ottawa planted 34 % *Fusarium* infected seed at Ottawa in 2008. All seed treatments significantly increased emergence compared to the untreated seed with RANCONA Apex also having significantly higher stand counts than the two commercial checks Raxil MD and Dividend XL RTA.

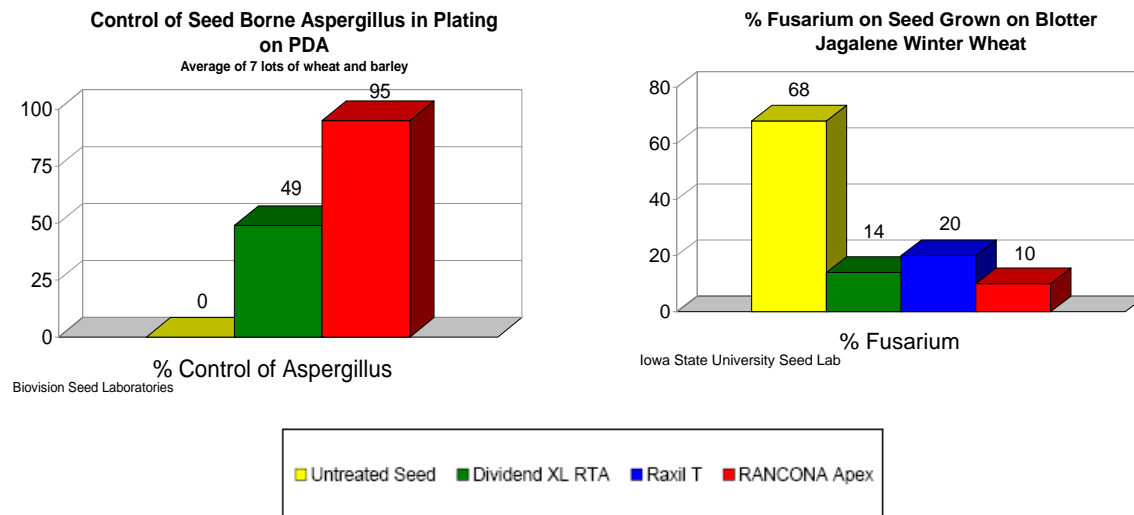
Plant Counts on Wheat (Seed Borne *Fusarium*)  
Ottawa ON



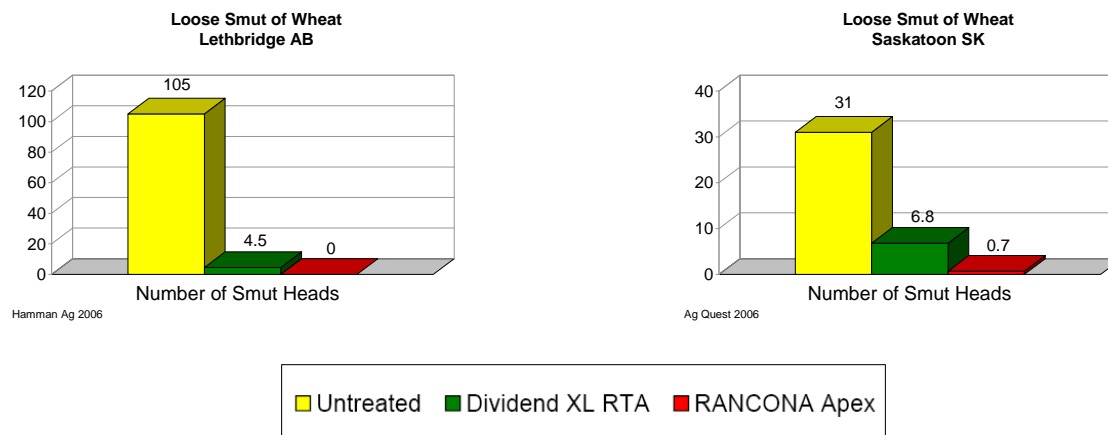
# **RANCONA™ APEX FUNGICIDE**

## **PERFORMANCE SUMMARY for SMALL GRAINS**

**Superior Control of Seed Borne Fungi:** RANCONA Apex provides a high level of control of seed borne diseases that potentially causes seed rot, damping off and seedling blight. RANCONA Apex provides protection from seed borne *Fusarium*, *Cochliobolus sativus*, *Penicillium*, and *Aspergillus*. Example results are shown below.

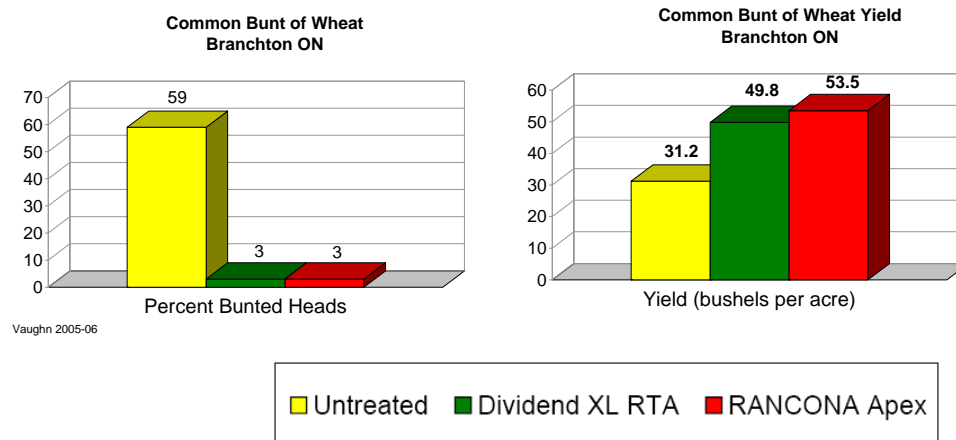


## **Excellent Loose Smut Control of Wheat**

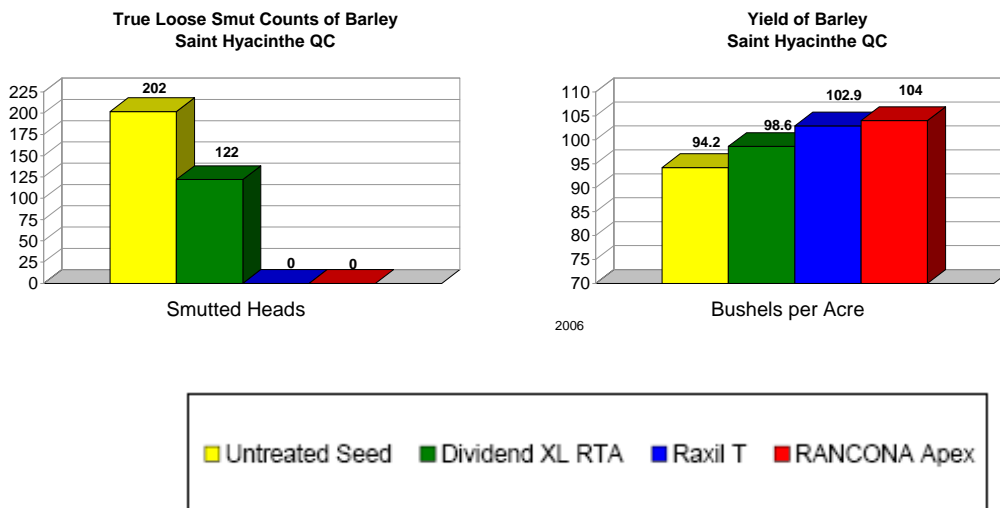


# **RANCONA™ APEX FUNGICIDE PERFORMANCE SUMMARY for SMALL GRAINS**

## **Excellent Common Bunt Control of Wheat**



## **Excellent True Loose Smut Control of Barley**



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For orders contact Engage Agro 800-900-5487, [www.engageagro.com](http://www.engageagro.com)

