



**iblon**<sup>®</sup>  
TECHNOLOGY

*Powerful  
disease control.  
Consistently  
higher yields.*

Iblon contains the new fungicide isoflucypram (ISY) which provides exceptional disease control in wheat, barley, triticale and ryegrass seed crops resulting in higher yields and increased profits.

Developed here in NZ and supported by Bayer Crop Science NZ.

*We're with you in the field*  
[cropscience.bayer.co.nz/iblon](http://cropscience.bayer.co.nz/iblon)



# Exceptional disease control in wheat & barley

Both VIMOY iblon and CALEY iblon are registered for use on wheat between GS30 and GS69 for the control of the key diseases: speckled leaf blotch, stripe rust and leaf rust.

## SPECKLED LEAF BLOTCH (SLB)

This is the most challenging disease attacking wheat in New Zealand. When conditions are right for disease development, massive yield losses can result if left uncontrolled. Even when disease pressure is low, yield losses between 1-2 t/ha are regularly recorded.

## STRIPE RUST

This disease, which enjoys the cool, moist conditions of spring, can develop very rapidly if left uncontrolled. On susceptible cultivars, stripe rust can cause very rapid and extensive leaf loss, leading to significant yield losses.

## LEAF RUST

Leaf rust can be found in crops at any time of the year but usually becomes a problem in early summer, as it is favoured by warmer, drier conditions. Again, if not controlled, leaf rust can devastate yield.



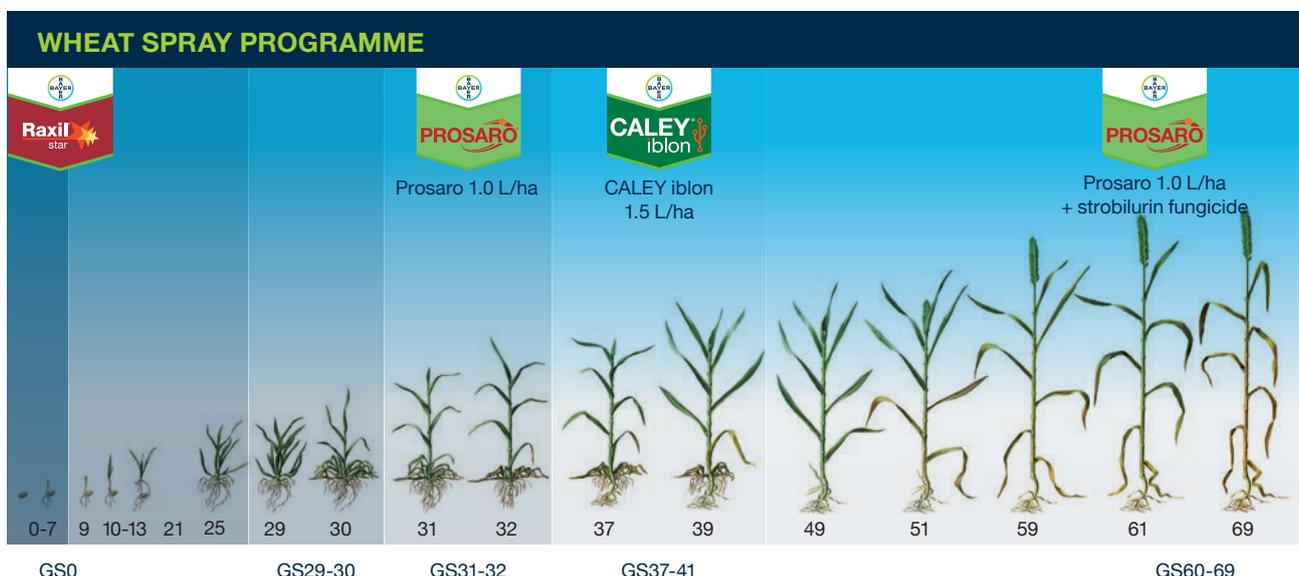
Speckled leaf blotch (SLB)



Stripe rust



Leaf rust



The top 2 leaves and the ear are key for yield production in wheat and so it is vital to protect them from disease infection. This makes flag leaf fully emerged (GS39) the time to apply CALEY iblon. For high potential crops, replace Prosaro + strobilurin fungicide with VIMOY iblon + Prosaro or Aviator® Xpro at GS65.

Barley is attacked each year by a number of aggressive diseases, which if not treated can lead to significant yield loss. VIMOY iblon and CALEY iblon are registered for use on barley between GS30 and GS61 for the control of all key diseases: scald, net blotch, leaf rust and ramularia leaf spot.

### SCALD

This is one of the first diseases to attack barley, being regularly found in late winter and early spring, as it thrives in cool, moist conditions. In spring, with the right weather conditions, scald will progress rapidly, infecting new leaves as they emerge, to eventually infect all leaves and the stem. When not effectively controlled, significant yield losses occur.

### NET BLOTCH

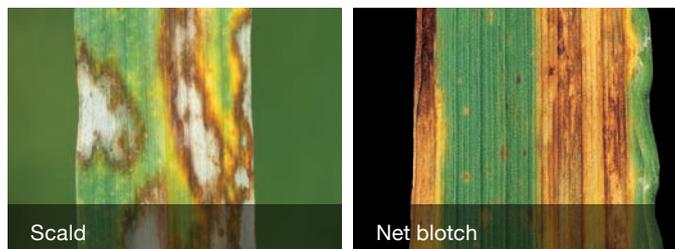
Like scald, net blotch is a disease favoured by cool, moist conditions, and is often seen in early spring. Under the right conditions, it can develop very rapidly and lead to significant yield losses.

### LEAF RUST

In recent years, this disease has become easier to find, with infections becoming more severe and starting earlier in spring. Leaf rust completes its life cycle very quickly and has multiple life cycles per season, which is why it can have such a devastating impact.

### RAMULARIA LEAF SPOT (RLS)

RLS has the ability to rapidly develop resistance to fungicides and is now resistant to strobilurin fungicides within New Zealand. In Europe, and now in New Zealand, it seems RLS is becoming resistant to SDHI fungicides. While VIMOY iblon + Prosaro or CALEY iblon can reduce the level of RLS, iblon fungicides need to be viewed as part of a RLS management tool, not for RLS control, and they should be used in combination with other chemical classes to provide RLS management.



Ramularia leaf spot (RLS) FAR site Chertsey mid-December 2018. No fungicide.

Visible reduction in RLS following a Delaro / iblon fungicide programme.

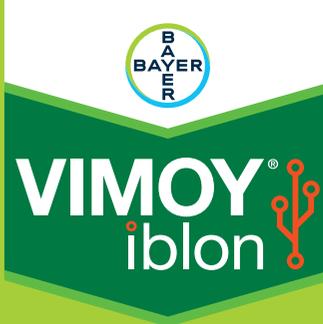
## BARLEY SPRAY PROGRAMME

GS Stage	Product / Application
GS0	Raxil star
GS29-30	Delaro 600 mL/ha
GS31-32	Delaro 750 mL/ha Add Phoenix® 1.5 L/ha
GS37-41	CALEY iblon 1.5 L/ha Add Phoenix 1.5 L/ha

A visual timeline of barley growth stages from GS0 to GS41. Each stage is represented by a photograph of a barley plant. Above the plants, the corresponding spray treatment is listed: Raxil star at GS0, Delaro 600 mL/ha at GS29-30, Delaro 750 mL/ha plus Phoenix 1.5 L/ha at GS31-32, and CALEY iblon 1.5 L/ha plus Phoenix 1.5 L/ha at GS37-41.

For barley crops, the most important period for yield production is early spring, with the lower leaves and stem delivering most yield. Delaro provides excellent control of scald and net blotch, the main early spring diseases. In early summer, RLS and leaf rust are the main diseases and CALEY iblon will provide excellent disease management. (Please note: the level of RLS reduction is dependent on the resistance status of RLS in your paddock).

# Increase your yield & profit



VIMOY iblon and CALEY iblon fungicides contain isoflucypram (ISY), a recently registered SDHI fungicide active ingredient that delivers outstanding disease control, exceptional plant health, consistently higher yields and greater profit. Choose CALEY iblon if you would like the convenience of applying a complete, top performing fungicide that delivers the right balance of isoflucypram and prothioconazole (available in Proline® and Prosaro®). But if you prefer to create your own fungicide mixtures then VIMOY iblon, a standalone formulation of isoflucypram, allows you to choose the partner DMI fungicide. By applying either CALEY iblon or VIMOY iblon + Prosaro you will achieve outstanding results.



## BENEFITS OF FUNGICIDES CONTAINING IBLON TECHNOLOGY



### HIGH YIELDS AND PROFIT

In trials carried out in New Zealand in both wheat and barley the exceptional disease control demonstrated by iblon fungicides has delivered higher yields than comparable fungicides.



### OUTSTANDING DISEASE CONTROL

Both VIMOY iblon and CALEY iblon provide exceptional control of all key, yield-reducing diseases of wheat, barley, triticale, and ryegrass seed crops.



### EXCEPTIONAL PLANT HEALTH

Trials carried out in New Zealand and Europe have shown that the outstanding disease control given by CALEY iblon delays senescence which leads to higher yields.



### SUITED TO NZ CONDITIONS

Developed and supported in New Zealand by the Bayer field team, you can be sure you're getting a fungicide suited to New Zealand conditions and backed by a team passionate about helping you increase your profit.

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## We're with you in the field

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