

# PRAMOG<sup>®</sup> SUMMARY SHEET



It is recommended that farmers seek advice from their Technology Service Provider or other expert sources to ensure an integrated weed management plan is established for all paddocks.

Ideally glyphosate herbicide should not be applied in the year following Roundup Ready<sup>®</sup> canola. Where this is not feasible or practical, growers can use PRAMOG as a tool to assess their glyphosate resistance risk potential and select additional management practices to reduce this risk.

## Step 1 Calculate the Glyphosate Resistance Index\*

Type of Roundup (or glyphosate) Application	Number of Applications	Weighting	Multipplied
Winter Fallow (with no grazing), Roundup Ready canola		4	
Knockdown with minimal soil disturbance (eg. No-Till or Zero-Till), Pasture Topping, Crop Topping, Fallow (with grazing)		3	
Knockdown with minimal or no soil disturbance followed by Paraquat and/or a seed set control practice		2	
Knockdown followed by full soil disturbance (i.e. full-cut cultivation)		1	
No Roundup (or glyphosate)		0	
<b>INDEX = SUM</b>			

\*Base this on the past 20 years of glyphosate applications in the paddock. If unknown, use the middle Glyphosate Resistance index, 20-29 range as your default.

## Step 2 Determine the Glyphosate Herbicide Resistance Risk Profile

Glyphosate Resistance Index	Herbicide Mode Resistance Status			
	Choose the no. of herbicide groups that resistance has been confirmed for ryegrass in the paddock. (Note that if unknown the default is TWO for WA or ONE in Eastern Australia).			
	0	1	2	3
>=40	2	NG	NG	NG
30-39	2	2	2	NG
20-29	2	2	2	2
10-19	1	1	2	2
<10	1	1	1	1

1 = A minimum of one additional management practice must be nominated and implemented

2 = A minimum of two additional management practices must be nominated and implemented

No Glyphosate (NG) = A minimum of two additional management practices must be nominated and implemented, and Monsanto recommends that farmers do not use glyphosate in the year following Roundup Ready canola.

## Step 3 Select the Additional Management Practices

Year following Roundup Ready canola	Control of emerged weeds prior to planting		In-crop weed control
	Herbicide	Cultivation	Herbicide
Options	Paraquat/Diquat	Full soil disturbance	Pre-emergent or Post-emergent herbicide

NOTE: Additional non-herbicidal practices are also highly recommended, a selection of these are listed in the technical manual along with an indicative level of control.

## Step 4 Record the Results

GROWER NAME		LSA		PADDOCK	
Glyphosate Resistance Index	Herbicide Mode Resistance Status	PRAMOG category	Nominated Management Practice 1	Nominated Management Practice 2	
Right Tool, Right Time, Right Rate					

