

Guidelines to fight resistance development.

Growers fearing resistance development now have a helping hand with a Herbicide Mode of Action Chart developed by Cynthia Christie, Nufarms R&D Development Officer.

It was apparent in the industry that guidelines were needed for resistance management before it was too late in New Zealand. Nufarm decided to lead by example and follow the international guidelines set out by the Herbicide Resistance Action Committee (HRAC) and develop a comprehensive wall chart.

Christie says "Because we represented products in almost all groups we felt it was important to show leadership and responsibility in ensuring our users have a good understanding of resistance issues."

The objective of the HRAC committee is to create a uniform classification of Mode Of Action (MOA) Groups in as many countries as possible.

Over the years the main reason resistance has developed in many countries is because of the repeated and often uninterrupted use of herbicides with the same mode of action. Christie says "Selection of resistance strains can occur in as little as 1-4 years if no attention is paid to resistance management. Cases of resistance to multiple MOA groups has also occurred overseas especially in Australia. The resistance risk is the same for products that have the same mode of action. Development of resistance is inevitable with repeated use of products with the same MOA."

Christie says "The MOA Groups will help guide growers about the different product options in different groups. Changing farming practices e.g. no till versus conventional cultivation also changes risks of resistance development".

The comprehensive list covers most agricultural chemical compounds in NZ.

If you would like a copy of this comprehensive chart please call Nufarm on 0800 683 276