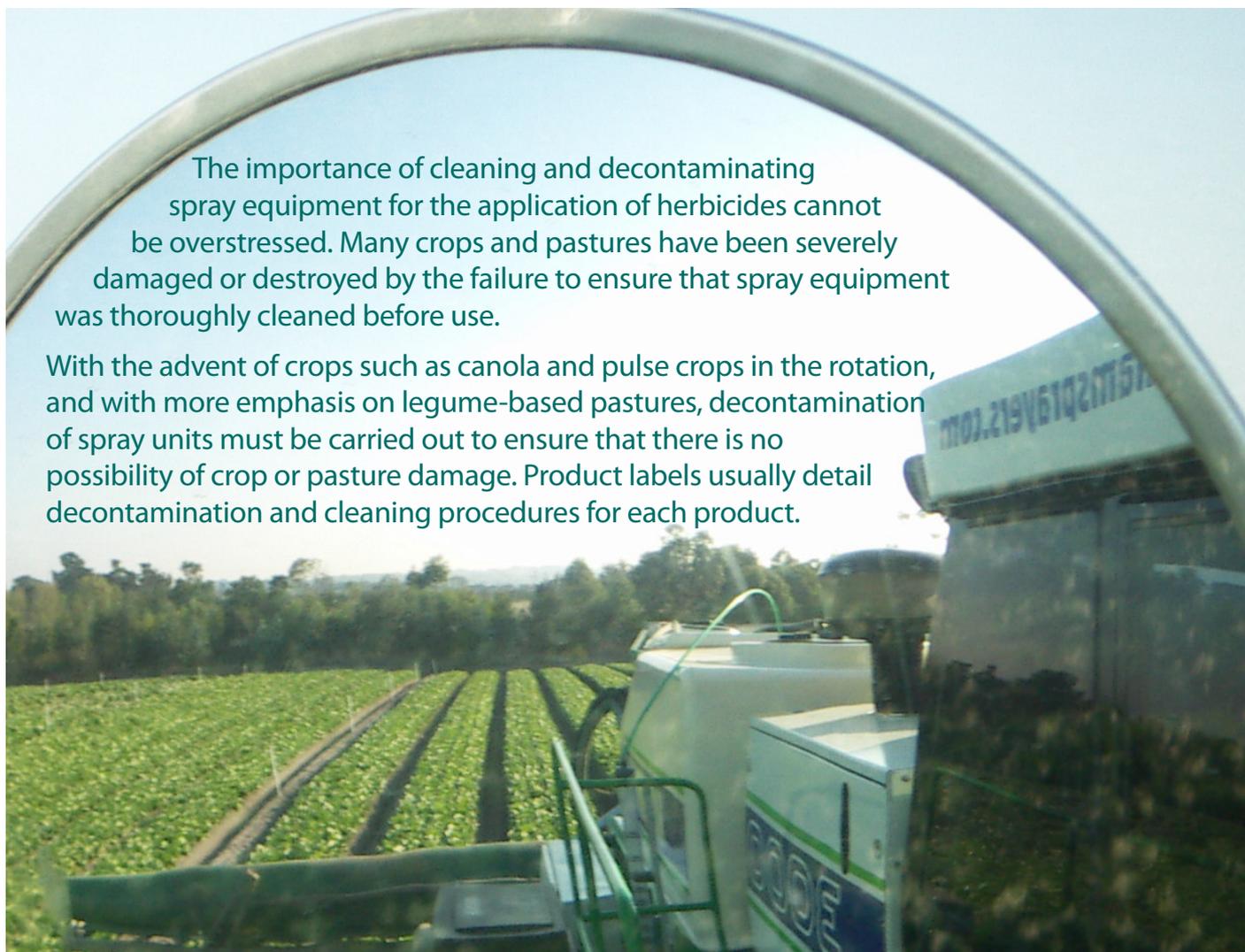


# Boomsprays

*Cleaning and decontamination boomsprays*

The importance of cleaning and decontaminating spray equipment for the application of herbicides cannot be overstressed. Many crops and pastures have been severely damaged or destroyed by the failure to ensure that spray equipment was thoroughly cleaned before use.

With the advent of crops such as canola and pulse crops in the rotation, and with more emphasis on legume-based pastures, decontamination of spray units must be carried out to ensure that there is no possibility of crop or pasture damage. Product labels usually detail decontamination and cleaning procedures for each product.



## Guaranteed to perform:

Our products are guaranteed to perform when used as directed or your product is replaced. Kenso Agcare produces and distributes a wide range of quality crop protection products for use in Australian farming systems.

As a division of Kenso Corporation, we have over 30 years experience in agricultural chemical manufacture

and formulation. From our three modern production sites we are able to efficiently cater to the seasonal demand peaks of the Australian market.

We also have a dedicated product development and quality control chemistry team which provides the capability to design robust product formulations for Australian conditions.

In line with our motto "**Better Crop Production for a Growing Population**" Kenso has the vision of being recognised as a world class supplier of crop protection products for Australian growers.



HERBICIDE	RATE OF AGENT/100 L WATER	INSTRUCTIONS FOR CLEANING AND DECONTAMINATION
Ken-Up 450 CT, Ken-Up Dry 680 WG, Roundup <sup>®</sup> CT, Roundup PowerMAX <sup>™</sup> , Glyphosate, Raptor <sup>®</sup> , Flame <sup>®</sup> , Spinnaker <sup>®</sup> , Sniper <sup>®</sup> , Wipe Out <sup>®</sup> , Plus, Sickle <sup>®</sup> 520, Precept <sup>®</sup> , Velocity <sup>®</sup>	Clean Water (*Spraymate <sup>®</sup> ), Absolute Boomer <sup>®</sup>	» Rinse thoroughly several times with clean water before use.
Hormone type, salt or amine formulations (2,4-D amine, MCPA amine, 2,4-DB, dicamba)	2 L household ammonia (*Spraymate <sup>®</sup> ), Ammonition <sup>®</sup>	» Thoroughly agitate and flush a small amount of solution through the system and let stand in sprayer overnight. Flush and rinse with clean water several times before use.
Hormone type, ester formulations 2,4-D ester, MCPA ester, Paragon <sup>®</sup> , Midas <sup>®</sup>	500g washing soda (crystalline sodium carbonate) + 4 L kerosene 125g powered detergent (*Spraymate <sup>®</sup> ), 2 L Ammonition <sup>®</sup>	» Rinse the inside and outside of the tank and flush a small amount through the system for 15-20 minutes. Let stand for at least two hours or preferably overnight. Flush and rinse before use.
Atrazine, Simazine	125g powered detergent (*Spraymate <sup>®</sup> ), Absolute Boomer <sup>®</sup>	» Rinse with clean water before and after using the solution.
Ken-Gran 750, Ken-Chlor 750 WG, Ken-Met 600, Sulfonylurea herbicides Glean <sup>®</sup> , Logran <sup>®</sup> , Ally <sup>®</sup> , Logran <sup>®</sup> B-Power, Hussar <sup>®</sup> OD, Tackle <sup>®</sup> , Lynx <sup>®</sup> , Lonestar <sup>®</sup> , Atlantis <sup>®</sup> OD	300ml fresh household chlorine bleach containing 4% chlorine or 300ml BC-45 Spray Equipment Cleaning Agent (*Spraymate <sup>®</sup> ) per 100 L water with agitation. Absolute Boomer <sup>®</sup> or CC49 <sup>®</sup>	<ol style="list-style-type: none"> <li>1. Drain and flush the tank, hoses and boom with clean water for 10 minutes.</li> <li>2. Fill the tank with clean water and add the chlorine bleach. Flush the boom and allow to stand for 15 minutes, then drain.</li> <li>3. Repeat Step 2.</li> <li>4. Nozzles, screens and filters should be removed and cleaned separately.</li> </ol>
Kenzon, Ken-Trel, Broadstrike <sup>®</sup> , Eclipse <sup>®</sup> 100SC, Lontrel <sup>™</sup> TM, Grazon <sup>®</sup> DS, Victory <sup>®</sup> , Fightback <sup>®</sup> , Conclude <sup>™</sup> TM, Crusader <sup>™</sup> TM, Torpedo <sup>™</sup> TM	500 mL liquid detergent DynamoMatic <sup>®</sup> , or 500g of the powder equivalent such as Surf <sup>®</sup> , Omo <sup>®</sup> , 1 L Absolute Boomer <sup>®</sup>	<ul style="list-style-type: none"> <li>» Flush the system, then quarter-fill the tank with water and add the detergent. Start the pump and circulate for at least 15 minutes</li> <li>» Drain the whole system. Remove and clean the filters, screens and nozzles with clean water and allow to drain.</li> </ul>
Herbicides for grass control in broadleaf crops and pastures such as Haloxyken 520	500 mL liquid alkali liquid detergent such as Surf <sup>®</sup> , Omo <sup>®</sup> , DynamoMatic <sup>®</sup> , or 500g of the powder equivalent. 1 L Absolute Boomer <sup>®</sup>	<ul style="list-style-type: none"> <li>» If broadleaf herbicides, particularly sulfonylureas (such as Glean<sup>®</sup>, Logran<sup>®</sup>), have been used in the spray equipment at any time prior to grass herbicides such as Verdict<sup>®</sup>, particular care should be taken to follow the directions for cleaning and decontamination on the label of the relevant broadleaf herbicide.</li> <li>» Before spraying cereals, maize, sorghum or other sensitive crops, wash the tank and rinse after use. Completely drain the tank and wash filters, screens and nozzles. Drain and repeat the procedure twice.</li> <li>» To decontaminate, wash and rinse the system as above, quarterfill the tank, add the detergent and circulate through the system for at least 15 minutes.</li> <li>» Drain the whole system. Remove filters, screens and nozzles and clean separately.</li> <li>» Finally, flush the system with clean water and allow to drain.</li> </ul>
Affinity <sup>®</sup>	100 g of alkali detergent eg. Omo <sup>®</sup> or Spree <sup>®</sup> . 1 L Absolute Boomer <sup>®</sup>	<ol style="list-style-type: none"> <li>1. Drain sprayer tank and system and thoroughly rinse the inside of the sprayer tank with clean water. Remove and clean all filters and nozzle strainers. Flush through sprayer system.</li> <li>2. Half-fill the tank with clean water and add alkali detergent. Fill the tank to capacity and operate the sprayer for a minimum of fifteen minutes.</li> <li>3. Drain the sprayer system and rinse the tank with clean water and flush through the system. Remove and check all filters and nozzle strainers and clean if necessary.</li> </ol>

**WARNING:** Grass control herbicides such as Verdict<sup>®</sup>, Fusilade<sup>®</sup> Forte, Correct<sup>®</sup>, Select<sup>®</sup>, Targa<sup>®</sup> and Sertin<sup>®</sup> can be extremely damaging to winter and summer cereals. Likewise spraytank contamination of small quantities of sulfonylurea herbicides such as Glean<sup>®</sup> and Logran<sup>®</sup> can be extremely damaging to crops

like canola, pulse crops and legume pastures. \*Nufarm Spraymate<sup>®</sup> Tank and Equipment Cleaner can also be used to decontaminate spraying equipment. NOTE: Rinse water should be discharged into a designated disposal area, or if this is unavailable, onto unused land away from desirable plants and water sources. <sup>®</sup> Not Kenso Registered Trade Marks. Reproduced with the kind permission of the Weed control in winter crops 2010 Guide.