











## COMPATIBILITY MATRIX FOR RLF PRODUCTS

Version 3 ; 16/12/2014

BSN SUPERSTRIKE

BSN ULTRA

BSN 10

BROADACRE PLUS

CEREAL PLUS

CANOLA PLUS

FRUITS & VEGGIES PLUS

K-KOMPLEX

LEGUME PLUS

PASTURE PLUS

PLASMA FURROW INJECT

PLASMA FUSION

PLASMA POWER

POWER NP

RAPID ZINC

VITICULTURE PLUS

### PESTICIDE FORMULATION

### SEED

### FOLIAR

ACTIVE INGREDIENT/S	TRADE NAME/S	LABEL (G/L)	GROUP	ACTIVITY	BSN SUPERSTRIKE	BSN ULTRA	BSN 10	BROADACRE PLUS	CEREAL PLUS	CANOLA PLUS	FRUITS & VEGGIES PLUS	K-KOMPLEX	LEGUME PLUS	PASTURE PLUS	PLASMA FURROW INJECT	PLASMA FUSION	PLASMA POWER	POWER NP	RAPID ZINC	VITICULTURE PLUS	
Tri-allate	AVADEX XTRA AVADEX XTEND	500 600	J	H				h	h	h	h	h	h	h	h	h	h	h	h	h	h
Triasulfuron	LOGRAN; NUGRAN	750	B	H				h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2	h 2
Trichlorfon	LEPIDEX 500	500	1B	I				c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4	c 2,4
Trinexapac-ethyl	MAESTRO	120	-	PGR				c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3	c 2,3
Triflumuron	BAYTAN T; RAXIL T	4	15A	I	h	h	h														
Triticonazole	PREMIS PRO C; PREMIS PROTECT REAL 200SC	25 200	3	F	h	h	h														
Zeta-cypermethrin	MUSTANG	20	3A	I				c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4	c 4
Ziram	ZIRAM GRANUFLO; ZIRAM DG	760 GK	Y	F				h g	h g	h g	h g	h g	h g	h g	h g	h g	h g	h g	h g	h g	h g

**c** = chemically compatible based on reference to The Pesticide Manual published by the British Crop Protection Council (BCPC)

**p** = physically compatible when mixed as per RLF Tank Mixing Guide;

**b** = biologically compatible, no observable or measurable reduction in pesticide bioefficacy or loss of nutrition;

**1** Total mixture [product + water] should not exceed 600mL / 100kg of seed;

**2** Reduction in bioefficacy may occur at pH < 4, severity increasing with lower pH;

**3** Reduction in bioefficacy may occur at pH > 7;

**4** Reduction in bioefficacy will occur at pH > 7, severity increasing with higher pH;

**5** Reduction in bioefficacy will occur at pH > 9;

**6** Refer to pesticide label for restraints on directions for use;

**7** Limited evidence suggests poor physical compatibility with RLF BSN products, check compatibility via a jar-test before mixing larger volumes;

**8** Mixing with RLF CSF products may cause excessive copper uptake by vines;

**h** = chemical, physical and biological compatibility based on reference to RLF Crop Nutrition Handbook (ca. 2004), RLF Technical Bulletin TB61 and RLF website -

<http://www.ruralliquidfertilisers.com/compatibility/>;

**nd** = no data

**9** Very rapid degradation of active ingredient will occur in acidic solutions, DT50 < 1 hr at pH 5;

**10** Pesticide active ingredient is formulated as an ionic salt; mixing with RLF products can result in precipitation of insoluble salts and/or reduction in bioefficacy due to interaction with positive and negative ions in the liquid fertiliser formulation;

**11** Pesticide is formulated at an alkaline pH; mixing with low pH RLF products can result in generation of heat from exothermic neutralisation reaction;

**12** Pesticide label indicates incident phytotoxicity or transient yellowing if applied to stressed plants; this effect may be enhanced in tank mixes with RLF CSF products but it is likely plants will recover more quickly due to improved nutrition;

**13** Photolytically unstable; pesticide active ingredient will rapidly degrade in aqueous solution in sunlight

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### POSITION

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