

TESTING FOR TANK MIX COMPATIBILITY

Follow steps 1 to 12 to determine compatibility of the proposed tank mix

Procedure

1. Add 80% of water to jar
2. Add the first chemical to the water, refer table (see over) for mixing order
3. Replace lid
4. Invert jar 5 times to mix
5. Add further chemicals separately as per mixing order then repeat steps 3 & 4.
6. Add remaining 20% of water and replace lid
7. Invert jar 5 times to mix thoroughly
8. Examine contents for incompatibility, refer incompatibility notes (see below)
9. Let contents stand one hour
10. Re-examine contents for signs of incompatibility
11. Secure mesh over jar and strain liquid through mesh into separate container
12. Examine mesh for signs of incompatibility

Signs of incompatibility

- Settling
- Separation of liquids
- Lumps
- Solid residues
- Heat
- Gel

What to do if you find signs of incompatibility

If **settling, solid residues or separation of liquids** occurs, rotate jar 20 times and if product mixes satisfactorily, a tank mix may be used, but maintain thorough agitation at all times. If product has not mixed satisfactorily, products are incompatible, therefore **DO NOT MIX**

If **solid residues, lumps or gel** remain on mesh after straining (procedure 11), products are physically incompatible, therefore **DO NOT MIX**

If heat is generated (mixture feels warm), products are physically incompatible - **DO NOT MIX**



What your compatibility test kit should include...

- 1x2 litre measuring jar
- 1 syringe for liquids
- 1 set of measuring spoons for dry products
- strainer mesh
- 1 elastic band to secure mesh on jar

Equivalent Water Rates: 50 L/ha = 1000 mL water in jar
80 L/ha = 1600 mL in water jar

Mixing Order

	Chemical	Example
1	60-80% of required water volume	
2	Water Conditioners/Acidifiers	Bonus, Liase, LI -700
3	Wettable/Dispersible Powders	Lusta, Nugran, Associate
4	WDG's (Dry Flowable granules)	Diuron DF, Simazine DF
5	Flowables (Suspension conc.)	Simazine & Diuron flowable
6	* ¹ Wetter - if using EC's	Activator 90, Chemwet 1000
7	EC's (Emulsifiable concentrate)	Triflur 480, Estercide 800
8	Water Soluble concentrates	Credit, Amicide, Glyphosate CT
9	Adjuvants	Chemwet, Oils * ² , LI -700 * ³

*¹ Wetter to be added at stage 6 if using EC's.

If no EC's used in mix then add wetter at stage 9.

*² Oils must be added last to all mixes

*³ If added at stage 2, do not add at stage 6 or 9

Test Quantity Conversion From Field Rate/ha

Liquid Products		Granular Products			
Rate/ha	Test Vol.	Rate/ha	Test Wt g	tsp	Tblsp
100 mL	2 mL	100 g	2 g	1	
200 mL	4 mL	200 g	4 g	1.5	
300 mL	6 mL	300 g	6 g	2.5	
400 mL	8 mL	400 g	8 g	3.25	
500 mL	10 mL	500 g	10 g	4	1
600 mL	12 mL	600 g	12 g	5	
700 mL	14 mL	700 g	14 g	5.5	
800 mL	16 mL	800 g	16 g	6.5	
900 mL	18 mL	900 g	18 g	7.25	
1000 mL	20 mL	1000 g	20 g	8	2

Disclaimer: This test will indicate physical compatibility of mixtures only.

This test is not an indication of biological compatibility (ie effect on weed control).

