



ADAMA

Sierra® herbicide Bring on the boost.

Orchard Technote



Sierra® herbicide boosts the power of knockdown herbicides to control challenging weeds in established Citrus, Pome and Almond orchards.

Key points

- Group 14 chemistry (160 g/L saflufenacil) with knockdown and systemic activity
- Unique soluble liquid (SL) formulation for ease of use, excellent compatibility and superior efficacy compared with granule formulations
- Controls 30+ broadleaf weeds, including Fleabane, Capeweed, Marshmallow, Sowthistle and Stinging nettle
- Ideal boost for tank-mixes with glyphosate or paraquat for control of annual grass and broadleaf weeds

Use of surfactant/wetting agent

Always use with a blended methylated/ethylated seed oil at 1% e.g. Hasten*, Plantocrop* or Kwickin*. Not all surfactants or crop oils are of equal quality. ADAMA Australia does not support the use of alternative products other than those listed in the compatibility section of the label.

Application

Ground application only: Apply in 80–250 L water/ha as a directed or shielded spray or using wiper equipment.

Compatibility

Sierra® is compatible with a range of ADAMA herbicides and other crop protection products. Always follow the correct mixing order. Refer to the Sierra® Physical compatibility guide and correct mixing order guide at adama.com before use.

Mixing

Completely fill the spray tank with water, leaving sufficient room for the addition of products and commence agitation. If required, add any WG or SC partners before any EC products. Allow sufficient time for granular products to completely disperse before continuing to add additional products to the tank mix. Add Sierra® herbicide to the tank and once dispersed, any additional SL formulations of glyphosate or paraquat may be added. Once all crop protection partners are dispersed completely, add the surfactant as recommended on the label and in this guide to the tank. Good agitation must be maintained at all times during application.

Tank-mixing with glyphosate or paraquat

When applying Sierra® herbicide as a tank-mix with glyphosate, always maintain robust application rates of the glyphosate formulations and robust water volumes to compensate for evaporation and to promote better coverage and uptake. Alternatively, paraquat (e.g. Spraytop® 250 or Spraytop® 330) is an effective tank-mix partner option.



HERBICIDE

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Target weeds

The following weeds are controlled with Sierra® herbicide in tank-mixes with glyphosate or paraquat products (refer to Sierra® Compatibility Guide).

- Amaranth
- Amsinckia
- Annual ryegrass
- Barley grass
- Bindweed/
Climbing buckwheat
- Blackberry nightshade
- Brome grass
- Caltrop
- Capeweed
- Chickweed
- Clovers
- Cowvine/Peachvine
- Fat Hen
- Fleabane
- Heliotrope
- Indian Hedge Mustard
- Khaki weed
- Kochia
- Marshmallow/
Small-flowered mallow
- Medics
- Paterson's curse
- Prickly lettuce
- Red pigweed
- Silver grass
- Slender thistle
- Sowthistle
- Spiny emex
- Stinging nettle
- Storksbill
- Wild oats
- Wild turnip/
Turnip weed
- Wild radish
- Wireweed

Efficacy data

The efficacy of Sierra® herbicide, in approved tank-mixes, is maximised when targeting small, actively-growing weeds. Sierra® herbicide has demonstrated robust efficacy in trials conducted throughout Australia. Sierra® herbicide, applied in a tank mix with Wipe-Out® Pro or Glyphosate 450, provides robust control of Marshmallow and Fleabane (Figure 1 and 2). Sierra herbicide in combination with paraquat (e.g. Spraytop® 330) provides far greater efficacy on Fleabane than a higher rate of paraquat alone (Figure 3).

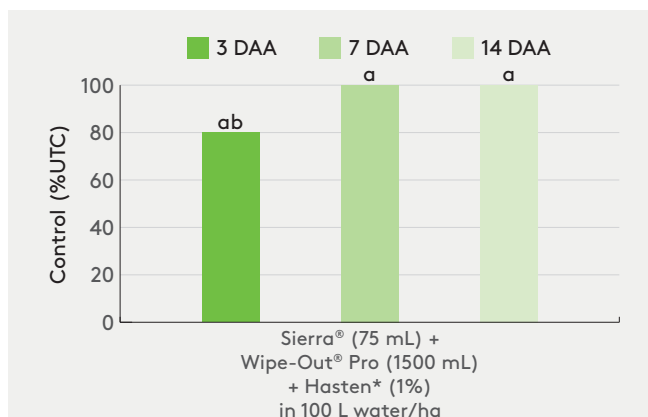


Figure 1: Control of Marshmallow (6 leaf) in Almonds (AD-AU-19-H07-5. Langhorne Creek, SA, 2019.)

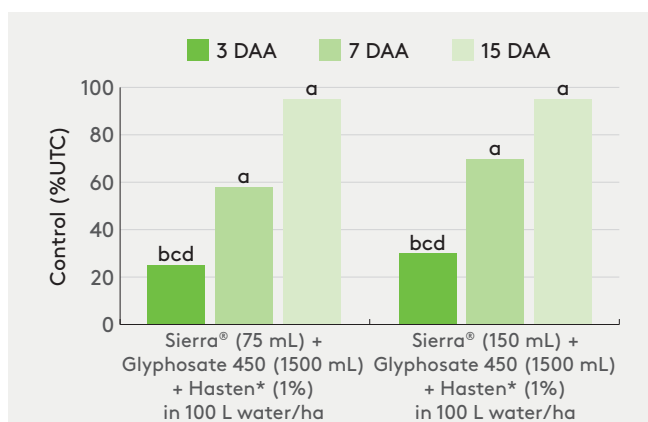


Figure 2: Control of Fleabane (2 leaf to flowering, majority 5 leaf) in Apples (AD-AU-25-H02-09, Canowindra, NSW, 2025).

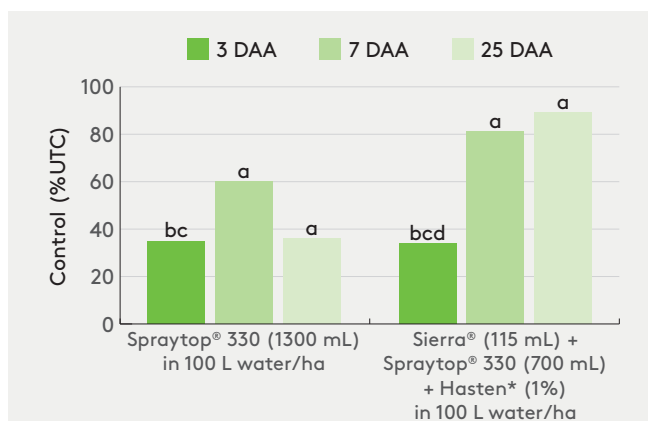


Figure 3: Control of Fleabane (2 leaf to flowering, majority 5 leaf) in Apples (AD-AU-25-H02-09, Canowindra, NSW, 2025).

Always read and follow the product label directions of all tank-mix partners. **Care must be taken when tank mixing more than two products, particularly products that are not manufactured by ADAMA, due to potential variation in formulations or product quality. Seek competent advice or perform a jar test if unsure before proceeding.** Note that physical compatibility tests determine whether the products will mix and are suitable for application using commercial spray equipment. Physical compatibility tests do not check for adverse crop effects or the biological efficacy of the individual products when applied as a tank-mix. Recommendations for use, handling, storage and disposal of products may also change over time. The information contained in this document is not intended to replace the product label. The product label, safety data sheet and supporting product information can be viewed on the ADAMA website www.adama.com or by scanning the QR code located on this document or the product packaging.



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