



A sequential treatment strategy improves and extends season-long weed control for maximum tree nut production

DuPont™
Matrix® SG
herbicide

Tree Nuts — California

Every season, tree nut growers and PCAs have to weigh decisions on what are the most effective weed control strategies and products to use, for their particular orchards and growing areas.

Fortunately, DuPont™ Matrix® SG herbicide provides a simple and reliable solution. Commercially proven crop tolerance, PRE and early POST activity, a low labeled use rate, an easy to mix, measure and use formulation, along with broad tree crop labeling and “no” soil or use period restrictions makes Matrix® SG the best foundational choice for tree nut weed control.

Building your foundational weed control program around the power of Matrix® SG is the most effective way to reduce contact spray applications and avoid residual herbicides that have limited crop labeling, “precautionary” crop safety concerns, restrictive non-bearing tree labeling or application timing and soil restrictions.

Key Benefits of Matrix® SG

- Broad crop labeling (tree nuts, stone fruit, pome fruit, citrus, grapes, tomato, potato, field corn).
- PRE and early POST activity.
- Excellent broadleaf weed and grass control.
- Yellow nutsedge suppression.
- Commercially proven crop tolerance and long residual weed control.
- An additional mode of action to minimize selection pressure on glyphosate-tolerant weed species population.
- No application restrictions during dormant or non-dormant periods.
- No soil restrictions.
- SG formulation (water soluble granule) provides many advantages over former DF formulations of Matrix® (see back page).

Sequential Treatments Strategy

- Northern California has a great fit for Sequential Treatment Strategies due to rainfall patterns that start earlier (late October–early November) and end later than other parts of the state (late March–early April). Central and Southern parts of the Central Valley can also benefit from sequential treatments of Matrix® SG.
- Sequential treatments are recommended beginning in the fall (November) and again in the spring (March) to take advantage of California’s rainfall patterns. Soil incorporation via rainfall and/or sprinkler irrigation is critical to extending weed control further into the late spring/summer months.
- Matrix® SG can be applied twice per year at 4.0 oz/A as long as the treated band is 50% or less.

Fall Application Options: (Nov–Dec)¹

- Matrix® SG 4.0 oz/A + Chateau SW² 6.0–12.0 oz/A
- Matrix® SG 4.0 oz/A + Goal 2XL² 3.0–6.0 pt/A
- Matrix® SG 4.0 oz/A + GoalTender² 1.5–3.0 pt/A
- Matrix® SG 4.0 oz/A + Alion³ 2.5–3.5 oz/A
- Matrix® SG 4.0 oz/A + pendimethalin (such as Prowl H2O 3.0–4.0 qt/A)

Followed by

Spring Application Options: (Late Feb–Mar)¹

- Matrix® SG 4.0 oz/A + Alion³ 2.5–3.5 oz/A
- Matrix® SG 4.0 oz/A + Surflan A.S. 4.0 qt/A
- Matrix® SG 4.0 oz/A + pendimethalin (such as Prowl H2O 3.0–4.0 qt/A)

¹ Read and follow all restrictions and limitations for Matrix® SG and all tank-mix herbicide partners.

^{2,3} See 2(ee) recommendations at bottom of the back page.

Application Information

- If weeds are emerged add a foliar herbicide for postemergence control of existing weeds.
- Performance is best when weeds are small and treatment areas are free of significant debris/leaves.
- Rainfall or sprinkler irrigation soon after application (within 21 days) will maximize Matrix® SG and other residual herbicide activity.

DuPont™ Matrix® SG

herbicide

Weeds controlled or suppressed with Matrix® SG – Preemergence

Broadleaf Weeds			
Burclover ⁴ Chamomile, false Chickweed, common ⁴ Clover, white ⁴ Cocklebur ⁵ Dandelion, common (seedling) Dandelion, common (established) ⁵ Fiddleneck, coast ⁴ Filaree, redstem Filaree, whitestem ⁴	Fleabane, hairy Groundsel, common Henbit Kochia Lambsquarters, common ⁵ Lettuce, prickly ⁴ Mallow, common Malva/Cheeseweed ⁴ Marestail/horseweed	Mustard, birdsrape Mustard, black Pigweed, prostrate ⁵ Pigweed, redroot Pigweed, smooth Nightshade, black ⁵ Nightshade, hairy ⁵ Puncturevine Purslane, common	Ragweed, common ⁵ Rocket, London ⁴ Sweetclover, yellow ⁴ Sowthistle, annual ⁴ Spurge, prostrate Spurge, spotted Swinecress ⁴ Velvetleaf ⁵ Willowweed, panicle ⁴
Grasses		Sedges	
Bluegrass, annual ⁴ Barnyardgrass Crabgrass, large Foxtail, giant Foxtail, green Foxtail, yellow	Quackgrass Ryegrass, Italian ⁴ Wheat, volunteer Oat, wild ⁵	Nutsedge, yellow ⁵	

⁴ This Matrix® SG recommendation is permitted under FIFRA Section 2(ee) for preemergence control of additional grass and broadleaf weeds in the states of Arizona, California, Oregon and Washington in labeled tree and vine crops and has not been submitted to or approved by the EPA. The 2(ee) expires on 12/31/2016.

⁵ Partial control

Benefits of Matrix® SG and DuPont™ TotalSol® formulation:

- Water Soluble Granules are fully dissolved into solution vs. older DF formulations (WDGs) that have to go into suspension.
- Faster and more consistent weed control.
- Better compatibility with most herbicide formulations (i.e., Roundup/glyphosate).
- Herbicide put into the tank is fully available for weed control compared to a small percentage of residue that can potentially be left behind in spray tanks with DF formulations.

- Significant tank clean-out benefits: 30 minute clean-out with the SG formulation of Matrix® as compared to 120 minutes and 10 times the water rinsate volume with DF formulations.
- Drained spray tank has practically no herbicide residue which minimizes off-target injury concerns of subsequent spray applications.

For more information

Contact your local DuPont retailer, representative or PCA to learn more about Matrix® SG herbicide. And visit us at matrix.dupont.com.

² This Matrix® SG recommendation is permitted under FIFRA Section 2(ee) for a tank mix with Goal 2XL, Goaltender or Chateau SW herbicide for improved weed control in the states of Arizona, California, Idaho Oregon, Utah and Washington in labeled tree and vine crops and has not been submitted to or approved by the EPA. The 2(ee) expires on 12/31/2018.

³ This Matrix® SG recommendation is permitted under FIFRA Section 2(ee) for a tank mix with a reduced rate of Alion herbicide for improved weed control in the states of California, Idaho, Oregon, Utah and Washington in labeled tree crops and has not been submitted to or approved by the EPA. The 2(ee) expires on 12/31/2016.

Some products may not be registered for sale or use in all states. Contact your DuPont retailer or representative for details and availability in your state.

This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank-mix combinations.

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 Alion® (Bayer); Surflan® (United Phosphorus); Prowl® (BASF SE); Chateau® (Valent); Goal®, Goaltender® (Dow AgroSciences).

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