

## **Treevix Herbicide for Post Emergent Weed Control in Tree Crops**

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Treevix is a burndown herbicide for postemergence control of broadleaf weeds in tree nuts, citrus, and tree fruit. The active ingredient in Treevix, is saflufenacil (Kixor). Saflufenacil is a protoporphyrinogen-IX-oxidase (PPO) inhibitor belonging to the pyrimidinedione class of chemistry. Due to increased incidence and spread of glyphosate resistant weeds such as marestail and fleabane, there is need for additional herbicides registered for use in tree crops. Treevix provides postemergence burndown control of many key weeds including marestail, fleabane, cheeseweed, willowherb, sowthistle, and others. Because Treevix does not have grass activity it should be tankmixed with a herbicide that has grass activity. Tank mixtures of Treevix and glyphosate provide both grass and broad spectrum broadleaf weed control. Control of fleabane and marestail was 93 and 100%, respectively with Treevix at 1 oz/A + glyphosate at 0.75 lb ai/A compared to 75 and 65%, respectively with glyphosate alone. In a summary of 9 trials conducted in 2005-2008, Treevix at 1 oz/A + glyphosate at 1 lb ai/A controlled fleabane 98% 2 WAT (weeks after treatment) compared to 58% control with oxyfluorfen at 1 lb ai/A + glyphosate at 1 lb ai/A. In trials where cheeseweed was present, control of cheeseweed - 3-6 WAT was 95% with Treevix at 1 oz/A + glyphosate at 1 lb ai/A, 95% with oxyfluorfen at 1 lb ai/A + glyphosate at 1 lb ai/A, and 98% with flumioxazin at 0.38 lb ai/A + glyphosate at 1 lb ai/A. In other trials, Treevix at 1 oz/A + glyphosate at 1 lb ai/A controlled willowherb 97% and redstem filaree 98% 3-6 WAT. In summary, Treevix in combination with glyphosate provides excellent control of a wide range of broadleaf weeds.