



## Using CleanWave Herbicide to Control Dogfennel in Pastures<sup>1</sup>

---

Brent Sellers and Jason Ferrell<sup>2</sup>

CleanWave is a newly labeled herbicide for use in Florida pastures. This herbicide contains a premix of aminopyralid (the active ingredient in Milestone) and fluroxypyr. This fact sheet describes how CleanWave can be used to control dogfennel in pastures.

The maximum and recommended use rate for CleanWave is 14 oz/acre. At this CleanWave application rate, the amount of fluroxypyr and aminopyralid is relatively low and will often not perform well if applied alone (Figure 1). Therefore, CleanWave is more likely to provide acceptable levels of control when used in combination with another herbicide to increase the weed control spectrum.

Tank-mix partners for CleanWave include 2,4-D amine, Milestone, Pasturegard, and Remedy. Tank-mixing 14 oz of CleanWave with 3 pints of 2,4-D amine increases the control of dogfennel (Figure 2) and also controls pigweed, which is not controlled by CleanWave alone. Control with this combination is comparable to applying 2 pt/acre of Pasturegard or 3 pt/acre of WeedMaster.

CleanWave has a 0-day grazing restriction for beef cattle and lactating dairy animals; forage can be cut for hay 7 days after application. However, if CleanWave is mixed with herbicides that do carry grazing restrictions, these must be followed.

CleanWave can be effectively mixed with Forefront to improve dogfennel control, while also achieving excellent TSA (Tropical Soda Apple) control. However, it must be noted that CleanWave contains some aminopyralid, the active ingredient in Milestone and one of the active ingredients in Forefront. Therefore, to prevent applying more than the maximum labeled rate of aminopyralid, do not tank-mix more than 6.4 oz of Milestone or 38 oz of Forefront with 14 oz/A of CleanWave. Our research has shown that tank-mixes of CleanWave at 14 oz/A with 2 pt/acre of Forefront results in at least 85% control if dogfennel is treated when less than 40-inches tall.

If dogfennel is greater than 40-inches tall, it is better to apply Pasturegard at 3 pt/acre. If treating mixed stands of large dogfennel and tropical soda

---

1. This document is SS AGR 283, one of a series of the Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date October 2007. Visit the EDIS Web Site at <http://edis.ifas.ufl.edu>.

2. Brent Sellers, assistant professor, Range Cattle REC--Ona, FL; Jason Ferrell, assistant professor, Agronomy Department; Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville FL.

**The use of trade names in this publication is solely for the purpose of providing specific information. UF/IFAS does not guarantee or warranty the products named, and references to them in this publication does not signify our approval to the exclusion of other products of suitable composition. All chemicals should be used in accordance with directions on the manufacturer's label.**



**Figure 1.** Control of 40-inch tall dogfennel 30 days after treatment with 14 oz/acre of CleanWave herbicide. Note that severe damage has occurred, but it is unlikely that complete control will be achieved. Photograph by Brent Sellers.



**Figure 2.** Control of 40-inch tall dogfennel 30 days after treatment with 14 oz/acre of CleanWave tank-mixed with 3 pt/acre of 2,4-D amine. Note the increased control compared to CleanWave alone. Photograph by Brent Sellers.

apple, add 1 pt/acre of Pasturegard to 2 pt/acre of Forefront for optimum dogfennel control. For further information, contact your local County Extension Agent. Remember to read and follow all herbicide labels.