



University of Arkansas System

Runsick, B.¹, Griffin, B.² ¹County Extension Agent, University of Arkansas Cooperative Extension Service, Baxter County, Mountain Home, AR 72653/brunsick@uada.edu

²County Extension Agent, University of Arkansas Cooperative Extension Service, Johnson County, Clarksville, AR 72830/bgriffin@uada.edu

Needs/Goals

A new herbicide formulation, ProClova[™], from Corteva[™], is awaiting registration from the Environmental Protection Agency (EPA) and is anticipated to be released in 2022. Once approved, ProClova[™] may be a weed control option in white clover pastures. With the registration pending, in-field demonstrations are needed to provide local results to Arkansas county agents to make recommendations to their producers.

Methods

Seven fall demonstrations and seven spring demonstrations were conducted around the state. The weeds most common across all demonstrations were common chickweed, sticky chickweed, buckhorn plantain, musk thistle, and buttercup. Treatments included: 1.5 pt./acre ProClova™, 3 pt./acre ProClova[™], and 1 qt./acre 2,4-D amine. Per the manufacturer's technical bulletin, the ProClova™ formulations contained 1% v/v MSO (methylated seed oil). 2,4-D formulations contained 0.25% v/v NIS (non-ionic surfactant). Plots were 10' x 50'. Treatments were made with a CO₂ backpack sprayer. Fall applications were made from October-December. Spring applications were made from February-March.

Broadleaf Weed Control with ProClova[™] in White **Clover/Grass Pastures**

two ProClova[™] rates. Costs for ProClova[™] have not been released.



