

PROWL H₂O: A NOVEL WATER-BASED FORMULATION OF PENDIMETHALIN. Jon K. Sweat, Paul M. Vassalotti, Gary M. Fellows, Troy D. Klingaman, Leo D. Charvat and Dan E. Westberg, Technical Market Manager, Senior Technical Service Representative, Technical Market Manager, Biology Area Manager, Biology Area Manager and Biology Group Leader, BASF Corporation, Research Triangle Park, NC 27709.

Prowl[®] H₂O is a new aqueous capsule suspension formulation of pendimethalin. It contains 456 grams of active ingredient per liter. The encapsulation of pendimethalin allows for the elimination of organic solvents in the product. This reduces odor, staining, volatility and surface residue adhesion, as compared to existing emulsifiable concentrate formulations of pendimethalin. It is stable under conditions of freezing and thawing and is compatible with liquid and dry fertilizer. Prowl H₂O is registered for use in corn (field, pop, seed and sweet), cotton, edible beans, garlic, grain sorghum, lentils and peas, nonbearing fruit and nut crops, nonbearing vineyards, onions and shallots (dry bulb), peanuts, potatoes, rice, soybeans, sugarcane, sunflowers and tobacco. Prowl H₂O received section 3 registration on March 26, 2003.