

Clarity Herbicide

Kay Mercer, BASF

BASF's CLARITY Herbicide is a new salt of dicamba. The registration was received in California in early August, 1998, but the federal label has existed for several years. There are many similar characteristics between Clarity and other dicamba herbicides such as labeled rates, crops, and many physical properties. One difference is that CLARITY is a diglycoamine salt of dicamba and is considered to be a new active ingredient. CLARITY is a much larger compound than other dicamba herbicides and has a significantly reduced vapor pressure. Reduced volatility means CLARITY will not lift off after it has been applied. This makes CLARITY safer to use around adjacent sensitive crops. Therefore, temperature restrictions for application timing have been removed from the label. Crop rotational restrictions have also been removed from the label. CLARITY is listed on the California Restricted Use Pesticide list; and therefore, must be included on application permits and must have a Notice of Intent (N.O.I.) filed with the county agricultural commissioner's office prior to use. CLARITY is labeled preand post-emergence for use on corn (8-16 oz/acre) and small grains (2-4 oz/acre). Applications to weeds should be made before corn reaches eight inches in height. CLARITY is also labeled for sorghum, pasture, hay, rangeland, general farmstead (non-cropland), fallow, sugarcane, asparagus, turf and lawn, and grass seed crop uses. Please read the label for guidance as to application timing, rates relative to soil type, and other precautions. Note that care must be taken during CLARITY applications because adjacent sensitive crops are still subject to injury if physical drift occurs during application. Consult the label for application precautions and tank cleaning procedures.

New Product Registrations from Elf Atochem North America, Inc. Aquathol® Super K And Desiccate®II

Roy S. Whitson, Ph.D. Field Development Representative

Elf Atochem will introduce a new formulation of Aquathol® aquatic herbicide in 1999 as Aquathol® Super K Granular Aquatic Herbicide. The Super K formulation is a granular formulation using super absorbent polymers as the carrier. The use pattern is identical to the current Aquathol® Granular Aquatic Herbicide formulation, but the Aquathol Super K is 6 times more concentrated (63% active vs 10.1% active). Thus, Aquathol® Super K will require 6 times less material per application, and fewer empty containers per application. Aquathol® Super K received EPA registration at the end of 1998, and should be registered for use in California during the first quarter of 1999.

In 1998, Desiccate®II was registered for use in California. Like Des-I-Cate® which it replaces, Desiccate®II is registered for use as a potato vine desiccant, and harvest aid for seed alfalfa and clover. Desiccate®II is a more concentrated formulation of Des-I-Cate® with 2 lbs/gallon of endothall versus 0.52 lbs/gallon in the previous formulation. This more concentrated formulation means lower use rates (quarts per acre, instead of gallons per acre), and fewer containers for disposal. Applications of Desiccate®II should include ammonium sulfate and a surfactant (preferably silicone based) for maximum efficacy. Please read and follow label directions thoroughly prior to use.

New Registration: Confront* for Post-Emergence Broadleaf Weed Control in Turf

Bruce Kidd, Dow AgroSciences, Murrieta, CA

In December 1998, Dow AgroSciences announced the posting for California registration of CONFRONT, a new, nonphenoxy, post-emergence herbicide for annual and perennial broadleaf weed control in turf. Full registration is anticipated in January, 1999.

CONFRONT is a combination product featuring 33% triclopyr amine plus 12.1% clopyralid amine, formulated as 3 lb/gallon concentrate, and packaged in 1-gallon jugs and 30-gallon drums. CONFRONT is labeled for all common species of turf grown in California, and is especially recommended for cool season species such as tall fescue, perennial rye, and Kentucky bluegrass. Bentgrass may be treated with CONFRONT at the low rate only, and if some injury can be tolerated. Warm-season grasses such as Bermudagrass and Kikuyugrass have shown sensitivity to CONFRONT when treated in the Fall, during high temperatures, or when height of cut is below

At low use rates of 1-2 pints/A, CONFRONT has shown exceptional control of annual and perennial clovers, plaintain, chickweed, dandelion, and creeping yellow woodsorrel (*Oxalis corniculata*). CONFRONT works slowly, translocating to all parts of the plant for complete control. Low volume applications at 5-20 GPA or standard broadcast applications delivering 2-200 GPA are recommended, as are spot applications mixing 0.5 oz CONFRONT in 1 gallon of water per 1,000 square feet. optimum timing for applying CONFRONT is in mid-Spring or Fall, after most broadleaf weeds have emerged, but while weeds are still small and leaf cuticles have not yet hardened. CONFRONT may be tank-mixed with pre-emergence products like GALLERY* for a complete broadleaf weed control program.

CONFRONT may be used on newly seeded turf after the turf is established and has been mowed two or three times. Reseeding may be done three weeks following a CONFRONT application. CONFRONT should not be applied to exposed tree roots or suckers as injury may result. Grass clippings of turf treated with CONFRONT should not be used for mulch or compost during the season of application. Spray drift onto non-target broadleaf plants must be avoided.

* Trademark of Dow AgroSciences

New Registration: Snapshot* 2.5tg Pre-Emergence Herbicide for Nursery Ornamentals and Landscapes

Bruce Kidd, Dow AgroSciences, Murrieta, CA

In December, 1998, California registration emergence herbicide for nurseries, landscapes and Dow AgroSciences announced the of SNAPSHOT 2.STG, a new prebroad-spectrum weed control in non-crop areas.

SNAPSHOT 2.5TG is a combination product featuring 2% TREFLAN* (trifluralin) plus 0.5% GALLERY* (isoxaben), formulated as a clay granule and packaged in 50-lb bags. SNAPSHOT 2.5TG is labeled for control of 125 weeds and grasses in 440 container or field grown ornamentals, 35 nonbearing fruit and nut trees, and in non-crop areas.

Applied to the soil prior to weed germination, SNAPSHOT 2.5TG has shown outstanding weed control for up to 4 months at the 100 lb/A rate and 8 months or longer at the 200 lb/A rate. Labeled weeds include Sowthistle, Groundsel, Russian thistle, Spurge, Oxalis, Mare's Tail, Bittercress and many others. Due to its exceptional length of control, SNAPSHOT 2.5TG may be applied less frequently than some other products. The signal word on SNAPSHOT is CAUTION.

SNAPSHOT 2.5TG may be broadcast over bare soil or over-the top of labeled species. SNAPSHOT 2.5TG will not burn plants even if granules stick to wet foliage on hot, sunny days. overhead irrigation, rainfall or light raking is recommended to incorporate the herbicide into the soil and promote activation. Light raking at any time will not break the barrier and may even improve control by making the barrier more uniform. SNAPSHOT 2.STG is non-staining and odorless.

SNAPSHOT 2.STG should not be applied to bedding plants, pots less than 4" wide, nursery seedbeds, unrooted cuttings or liners, or to plants in poor health.

After nearly eight years of use in other states, SNAPSHOT 2.5TG has proven to be a reliable, economical and easy-touse product that provides the broadest-spectrum weed control for the most months over the most ornamentals species of any pre-emergence product on the market.

* Trademark of Dow AgroSciences