

Hercules
Herban 21P
Wettable Powder
For Pre-emergence Weed Control
In Sorghum

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<u>ACTIVE INGREDIENTS:</u>	<u>% By Weight</u>
Norea (3-(hexyl-1,3,5-triazol-2-yl)-1,1-dimethylurea)	50.67
Reaction Product Related to Norea	2.66
(2-chloro-4,6-bis (isopropylamino)-s-triazine) ** ..	26.67
<u>INERT INGREDIENTS:</u>	20.00
TOTAL	100.00

* U. S. Patent No. 3,334,167

** Propazine: registered trademark, (Sieg) Agricultural Chemicals

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Avoid inhalation of dust. Avoid contamination of feed and foodstuffs. Read back panel for use directions and additional handling precautions. Keep Clean - Avoid contact with skin. Wash up when job is finished. Do not get in eyes.

GENERAL INFORMATION:

Herban 21P will control susceptible weeds in sorghum when applied according to directions. Because Herban 21P, as a pre-emergence herbicide kills weeds only after root absorption, rain or sprinkler irrigation is needed for good results. Best results are achieved when this happens within a week or two after application.

WEED CONTROL:

Herban 21P controls annual weeds and grasses such as Barnyard grass, Foxtails, Goosegrass, Brachiaria, Colorado grass (Horse grass), Panicum (summer and fall), Crabgrass, Pigweed, Lamb-quarters, Morning glory, Cocklebur, Parslane, Chickweed and Florida Eucaly. Weeds of intermediate susceptibility, particularly at lower rates, are Ragweed, Jimson-weed, Velvet leaf and Smartweed. Control of deep-germinating Morning glory and Cocklebur requires good rainfall or sprinkler irrigation to move the herbicide to their roots.

Herban 21P will not control perennial weeds such as Johnson-grass, Russian knapweed or field bindweed. In areas where an extremely dense population of Red-root pigweed prevails, the prolonged germination period of this weed may allow the late germinating weeds to escape the effectiveness period of Herban 21P. Such pigweeds that do develop may require an application of a recurrent pre-emergence herbicide.

DIRECTIONS FOR USE:

Equipment: Ground Applicator - A sprayer designed for low volume applications is recommended. Strainers finer than 50 mesh should not be used. This formulation is a wettable powder, and the spray mixture must be constantly agitated. By-pass agitation is satisfactory with the pump maintaining pressure of 30 - 60 pounds. For pre-emergence band applications use nozzle tips giving flat, nontapered spray pattern. Recommended spray volumes are 15 - 20 gallons per acre for pre-emergence broadcast applications. Use proportional amounts for band applications.

HOW TO MIX THE SPRAY:

Thoroughly slurry or mix Herban 21P with water before putting it in the spray tank. Use about one gallon of water for each pound of herbicide. Fill spray tank with about half the total volume of water. Start pump to provide agitation, then pour and rinse slurried Herban 21P into the spray tank. Add additional water to tank to desired volume with pump circulating the mixture.

HOW TO MIX LIQUID FERTILIZER:

Thoroughly slurry in water as indicated in above paragraph. Add and rinse this slurry into spray tank containing one-half proper amount of fertilizer. Keep agitator running and slowly add balance of liquid fertilizer. Keep agitator running while applying.

COMPATIBILITY WITH FERTILIZER:

Before using check the compatibility of Herban 21P with a proportionate amount of liquid fertilizer in a quart jar. If there is rapid settling or agglomeration, do not use the fertilizer herbicide mixture, but apply Herban 21P with water.

PRE-EMERGENCE WEED CONTROL FOR SORGHUM:

Apply Herban 21P to the soil surface either broadcast or as band treatment at time of planting or before weeding or sorghum emergence. Apply 2.0 to 3.75 pounds per acre. Use lower rates on sandy loam or silt loam soils and higher rates on clay loams, clays and dark pebble soils with high organic content. Do not use on sandy soils. Apply broadcast with 15 to 20 gallons of water per acre (see mixing instructions). Use a proportional amount for band applications depending on width of band.

Notice: Under certain rainfall conditions, injury from these herbicides may occur and risk must be assumed by the user. Do not apply Herban 21P on sandy soils, heavy sands or deep sands.



