

Industrial Roundup Uses Approved by EPA

Monsanto Company's new Roundup herbicide has received Environmental Protection agency registration approval for industrial uses. Roundup is a postemergence, non-selective herbicide which controls a broad spectrum of annual and perennial weeds of both grass and broadleaf species.

The EPA registration permits the use of Roundup for industrial commercial applications, such as the control of weeds along highway,

railroad, fuel and power-transmission rights-of-way, airport runway areas and other similar areas with problem weeds.

A company representative said that Roundup effectively controls more than 100 species of annual and perennial weeds, including perennials with well-established root systems such as johnsongrass, quackgrass, dallasgrass, paragrass, Canada thistle, bermudagrass and common mullein.

Further information for the industrial use of Roundup is available by writing to: Agricultural

Division, Monsanto Company, 800 N. Lindbergh Blvd., St. Louis 63166.

Chemist Predicts Lasting Fertilizer Shortages

Shortages of one sort or another are plaguing most green industry firms. But diminishing petrochemical supplies are causing across-the-board headaches for large and small firms alike.

A recent issue of **Chemical and Engineering News**, the weekly newsmagazine of the American Chemical Society, reported that the current world fertilizer shortage will continue indefinitely, perhaps for the rest of human history.

Although this shortage is serious, it does not mean the world will have widespread famine, says Dr. Raymond Ewell, recently retired vice president for research at the State University of New York at Buffalo, and widely recognized authority on chemical economics.

"A shortfall doesn't necessarily mean that we won't have enough supplies to feed people at somewhere just above a starvation diet," he explains. "But much depends on how our available supplies are divided up."

Ewell cites slowing the world's population growth as the fundamental issue we now face. And he foresees that the rate of world population growth will peak sometime during the 1970's at a little more than two percent a year.

"This will be one of the crucial dates in world history," he states. "For the first time ever, the rate will have begun to decline."

Even so, he adds, the growth rate will decline only very slowly and will probably continue at close to the two percent figure until the year 2000.

Right now, high food prices are serving as a magnet for fertilizer, the article continues. The high demand and rising prices are attracting new investment into the fertilizer industry.

"But the big question," says Ewell, "is whether this will pull in new money fast enough to keep up with demand."

The world will have to spend about \$8 billion annually on new fertilizer plants and related facilities now, and about \$12 billion by 1980, just to keep pace with increasing demand, he estimates.

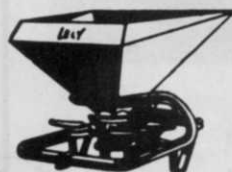


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