

# Agway Energy Products Introduces Leaded-Gasoline Replacement

SYRACUSE, N.Y. — Major refiners are now starting to eliminate leaded regular gasoline from their product lines due to limited consumer demand. These actions are leaving many Northeast farmers without an adequate fuel to run their older equipment. To meet the needs of this market Agway Energy Products is introducing PowerShield Plus TM, an 89-octane

gasoline with an additive package. PowerShield Plus provides valve seat protection at low-lead levels equivalent to that of a leaded gasoline while maintaining the higher 89-octane needed for older engines. It also helps clean up carburetors, injectors and fuel systems and keeps them clean. In engines designed for leaded gasoline, a thin layer of lead

oxides protects valve seats against impact and abrasion. Conventional unleaded fuels do not provide this protection and their use can result in a loss of power and fuel economy. Eventually, the valves will no longer seal effectively and the cylinder head will probably have to be replaced. Many older engines have considerable operating life left, but

when operated at high speeds and loads, cannot withstand the accelerated valve seat wear with low-lead gasoline. Under these conditions, PowerShield Plus is proven to reduce wear by over 70 percent compared to conventional unleaded gasoline. It can extend engine life and safeguard a farmer's large investment in equipment.

Agway Energy Products is making PowerShield Plus available to bulk delivered customers in selected locations in New England and in Lancaster, Pennsylvania. It is anticipated that the fuel will be available throughout the Northeast by the spring of 1989. This will allow farmers to continue operating without an interruption in supply.

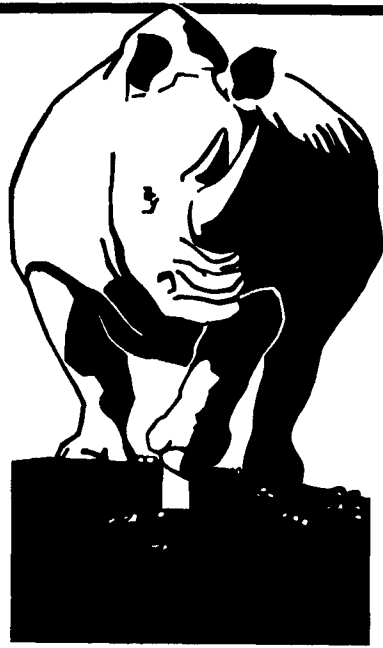
## Avoid Fertilizer Burn Of Seed

DeKALB, IL. — "Two consecutive years of dry top soils have intensified the effects of improper fertilizer placement within the seed zone," said a seed company agronomist. "The result is fertilizer salt injury causing the death of germinating seed, poor early root development, severe stand reductions and significant yield losses," stated Rick Mason, of Dekalb-Pfizer Genetics.

"Injury is due to nitrogen, phosphorus and potassium fertilizers, with 'high salt indexes' being placed too near the seed or young plant root systems." Mason explained. "Soil moisture moves from zones of low to high salt concentration. When the salt concentration inside the seed or root is lower than 'salty' soil around it, the seed is prevented from germinating; or the young corn plant wilts and dies from the lack of ability to take up moisture."

"Salt damage is more likely to occur when a dry period follows spring plantings having normal moisture," according to the seed company specialist. "Moisture evaporating within the seed or root zone leaves a highly concentrated salt solution near growing plant tissue."

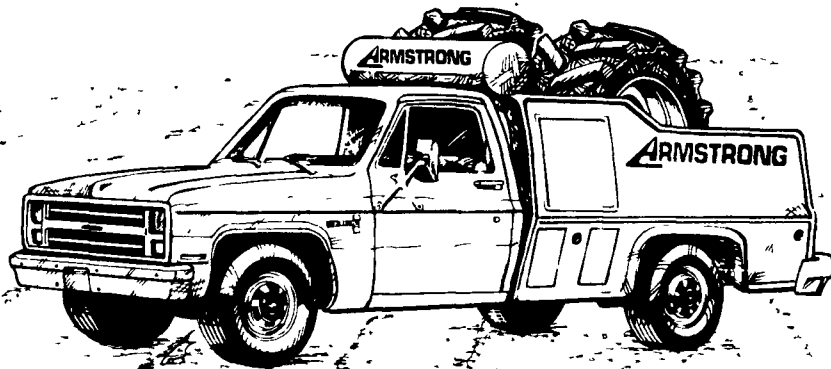
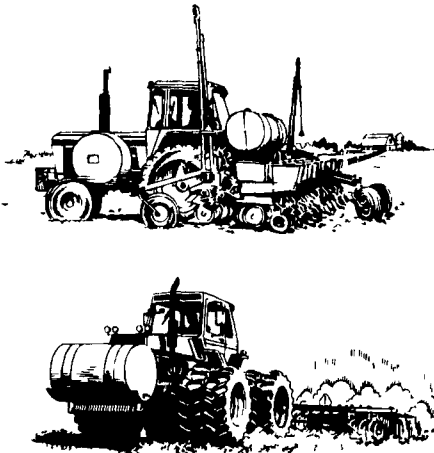
Mason advises the best way of avoiding the salt injury risk is proper fertilizer placement at planting. Adjust equipment so placement averages 2 inches to the side and 2 inches below the seed or seedling. Farmers should also apply anhydrous ammonia, high or low ammonia pressure nitrogen solutions, diammonium phosphate and urea at least one week before planting to avoid seedling damage.



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