

PELIN®



Product Introduction:

Active Ingredient	Content & Formulation
Pendimethalin	450g/L CS

Product Feature:

Pendimethalin is a dinitroaniline selective pre-emergent and post-emergent herbicide for application in dry soil fields, creating a layer in the top part of the soil. It mainly acts on weeds by inhibiting the division of meristematic cells. Without affecting the germination of the weed seeds, the product's action begins after the germination of the weed seeds. The weeds absorb the drug during the germination of the weed seeds. The weeds absorb the agent through the germinating buds, and after the agent enters the plant body, it binds to tubulin to inhibit mitosis of plant cells, thereby causing the weed's death. This product is a selective soil-covering herbicide widely used in cotton, corn, rice, potato, soybean, peanut, tobacco, and vegetable fields. It has a unique mode of action in eliminating weeds, broad spectrum, high safety to crops.



Advantage:

1. Advanced dosage form: This product uses microencapsulation technology to release the drug slowly in the field.
2. Broad herbicidal spectrum: It can effectively control a variety of annual grass weeds and some broadleaf weeds, such as barnyard-grass, crabgrass, green foxtail, sprangletop, goosegrass, goosefoot, edible amaranth, piemarker herb, purslane, chickweed and black nightshade.
3. High safety to crops and the environment: It is highly safe to most crops, has strong adsorption to soil, low mobility, and high resistance to leaching, and regular application will not cause crop damage.
4. High efficiency and low toxicity: The duration of its effects is up to 45-60 days.

Applicable Crops:

This product is a selective soil-covering herbicide widely used in cotton, corn, rice, potato, soybean, peanut, tobacco, and vegetable fields.



Cotton

Corn

Rice

Potato

Peanut

Targets:

Annual gramineous weeds and some broadleaf weeds and sedges, including barnyard-grass, crabgrass, green foxtail, sprangletop, goosegrass, goosefoot, edible amaranth, piemarker herb, purslane, chickweed and black nightshade, rice flatsedge and variable flatsedge. It has better control effects on gramineous weeds than on broadleaf weeds, and poor effects on perennial weeds.



Barnyard grass

Setaria viridis

Leptochloa chinensis

Digitaria sanguinalis

Purslane

Uses and Recommendations:

Crops	Targets	Dosage	Application method
Cotton field	Annual grass weeds	1650-2100 ml/ha	Spray on the soil
Dry direct seeding rice field	Annual weeds	1950-2250 ml/ha	Spray on the soil
Peanut field	Annual grass weeds and broadleaf weeds	1950-2250 ml/ha	Spray on the soil
Soybean field	Annual grass weeds and broadleaf weeds	1950-2250 ml/ha	Spray on the soil
Cabbage field	Annual weeds	1500-1800 ml/ha	Spray on the soil
Garlic field	Annual weeds	1800-2400 ml/ha	Spray on the soil

1. This product is sprayed on the soil before the seedling of rice after sowing, pay attention to even spraying.
2. Do not apply pesticides in windy days or it is expected to rain within 1 hour.

Cautions:

1. Please note that this product can be applied to crops only once per season.
2. Use low doses of the product for fields with low soil organic matter content, sandy soil, and low-lying field, and use high doses of the product for fields with high soil organic matter content, clayey soil, arid climate, and low soil moisture.
3. Crops such as beets, radishes, spinach, melon, watermelon, direct seeded oilseed rape, and direct seeded tobacco are sensitive to this product and prone to have drug damage caused by it. Do not use this product on these crops.
4. This product has strong adsorption in the soil and will not be leached into the deep layer of the soil.

