

# QUARTER®



## Product Introduction:

Active Ingredient	Content & Formulation
Penoxsulam 2.5% + Quinclorac 22.5%	25%SC

## Product Feature:

This product is a selective herbicide for application in rice fields, which is composed of penoxsulam and quinclorac. Penoxsulam is a branched-chain amino acid (leucine, isoleucine and valine) synthesis inhibitor that inhibits the activity of acetolactate synthase (ALS) or aceto-hydroxyacid synthase (AHAS); it is a selective systemic pre-emergent and post-emergent herbicide. Quinclorac is a hormonal quinoline carboxylic acid herbicide. The symptoms of weeds poisoned by quinclorac are similar to those caused by auxins. This product is mainly used to control cockspur, and has a long applicable period. The agent can be absorbed by the leaves, roots and germinating seeds of the weeds. When sprayed on the stem and leaves of weeds, it can prevent and eliminate annual weeds in direct seeding rice fields such as red sprangletop, cockspur (including cockspur in rice paddy fields), and broadleaf and sedge weeds.



## Advantage:

1. Apply this product at recommended dosage and growth stage. It is safe to rice.
2. It has a long applicable period, and it is effective when applied in all 2-7 leaf stages of rice.
3. It has a broad herbicidal spectrum, low toxicity and high efficiency.

## Applicable Crops:

Direct seeding rice field



Direct-planting rice field   Direct-planting rice field   Direct-planting rice field   Direct-planting rice field   Direct-planting rice field

## Targets:

It controls annual weeds in direct seeding rice fields such as red sprangletop, cockspur, and broadleaf and sedge weeds.



Malachium aquaticum   Barnyard grass   Cyperus difformis   Cyperus iria   Purslane

## Uses and Recommendations:

Crops	Targets	Dosage	Application method
Direct seeding rice field	Annual weeds	750-1200 ml/ha	Spray on the stem and leaves

1. Apply this product in direct seeding rice fields after the 2-leaf stage of seedlings. After application, try to maintain water in the field for 5-7 days.
2. Do not irrigate other crops with water treated with this product.
3. Try to prevent this product from drifting to any adjacent crops.

## Cautions:

1. Apply this product to crops once at most per season.
2. Do not apply it in the early stages of seedlings when the radicles and roots are exposed, or in the booting and flowering stages of rice.
3. Restrictions on rotation crops: After using this product in the rice field for the first crop, the second crop of the field can be rice, small grain cereals, corn or sorghum. Within eight months after using this product, it should be avoided to plant cotton, soybeans or the following sensitive crops in the same field:  
Solanaceae: tomato, potato, tobacco, eggplant, capsicums etc.  
Umbelliferae: celery, coriander, carrot etc.  
Leguminosae: lucerne, green bean etc.  
Convolvulaceae: sweet potato etc.  
Chenopodiaceae: spinach, beet etc.  
Malvaceae: cotton, okra etc.  
Cucurbitaceae: watermelon, melon, pumpkin, gourd etc.  
Asteraceae: lettuce, sunflower etc.
4. Please note that do not plant beet, eggplant and tobacco in the next year in the same fields where this product is applied in this year; do not plant red pepper, sweet pepper, tomato and carrot in the same fields until two years later.
5. This product is toxic to bees, aquatic organisms such as fish, and silkworms. Pay attention to avoid affecting nearby bee colonies during the application of this agent, and it is prohibited to use this product in the flowering stage of nectar plants or in the neighborhood of silkworm rooms and mulberry orchards. Do not use it in areas where natural enemies of pests such as Trichogramma wasps are released. Apply this product far from aquaculture areas.
6. Wear protective equipment when applying this product, so as to avoid inhaling the spray. During the application, do not eat or drink anything, and pay attention to washing hands and face in time after application.

