

Paraquat dichloride

NOMENCLATURE: paraquat dichloride

IUPAC name: 1,1'-dimethyl-4,4'-bipyridinediium dichloride

Chemical Abstracts name: 1,1'-dimethyl-4,4'-bipyridinium dichloride

Molecular weight: 257.2

Molecular formula: C₁₂H₁₄Cl₂N₂

Formulation: 200g/lAS

Solubility:

In water c.620g/l(20°C). Practically insoluble in most organic solvents.

Applications

Biochemistry : During photosynthesis, superoxide is generated, which damages cell membranes and cytoplasm.

Mode of action

Non-selective contact herbicide, absorbed by the foliage, with some translocation in the xylem.

Uses

Broad-spectrum control of broad-leaved weeds and grasses in fruit orchards(including citrus), plantation crops(bananas, coffee, cocoa palms, coconut palms, oil palms, rubber, etc), vines, olives, teas, alfalfa, onions, leeks, sugar beet, asparagus, ornamental trees and shrubs, in forestry, etc.

Applied at 450-750g/ha.

200g/lAS characteristics:

Item	Index
Appearance	Nany blue to green even liquid
Content, g/l	200
Insoluble material in water, %	≤0.3
PH value	4.0-7.0

Storage and transportation:

Put in a ventilated and dry place. Keep away from food, seed and feed. Do not touch eyes, skin and be absorbed by mouth and nose..