Fluroxypyr

Common name: fluroxypyr

IUPAC name: 4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid

Chemical Abstracts name: [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid

Molecular weight: 255.0

Molecular formula: $C_7H_5Cl_2FN_2O_3$

Formulation: 200g/l EC

Applications

Biochemisty

Synthetic auxin(acting like indolylacetic acid).

Mode of action

Fluoxypyr is applied as fluroxypyr-meptyr. After predominantly foliar uptake, the ester is hydrolysed to the parent acid, which is the herbicidally active form, and translocated rapidly to other parts of the plants. Acts by inducing characteristic auxin-type response,e.g. leaf curling.

Uses

Fluroxypyr is effective by post-emergence foliar application, controlling a range of economically important broad-leaved weeds(including *Galium* and *Kochia* spp.)in all small grain crops, and *Rumex* spp. and *Urtica dioica* in pastures. Directed applications are used against herbaceous and woody broad-leaved weeds in orchards(apple only) and plantation crops(rubber and oil palm), and broad-leaved brush spp. in conifer forests. Applied at 120-150g/ha.

200g/l EC characteristics:

Item	Index
Appearance	Even liquid
Content, g/l	200
Water, %	≤0.5
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.