

Oxyfluorfen

Common name: oxyfluorfen

IUPAC name: 2-chloro- α , α , α -trifluoro- ρ -tolyl 3-ethoxy-4-nitrophenyl ether

Chemical Abstracts name: 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene

Molecular weight: 361.7

Molecular formula: C₁₅H₁₁ClF₃NO₄

Formulation: 20%EC

Applications

Biochemistry: Protoporphyrinogen oxidase inhibitor.

Mode of action

Selective contact herbicide, absorbed more readily by the foliage (and especially the shoots) than by the roots, with very little translocation.

Uses

Control of annual broad-leaved weeds and grasses in a variety of tropical and subtropical crops, by pre- or post-emergence application at rates in a 0.25-2.0 kg/ha. Particular crops include tree fruit (including citrus), vines, nuts, cereals, maize, soya beans, peanuts, rice, cotton, bananas, peppermint, onions, garlic, ornamental trees and shrubs, and conifer seedbeds.

20%EC characteristics:

Item	Index
Appearance	Even liquid
Content, %	20
Water, %	≤0.5
Acid (calculated by H ₂ SO ₄)	≤0.5

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.