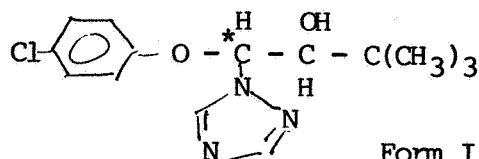


EXPOSURE ASSESSMENT BRANCH ONE LINEREAB FILE NO: 127201TYPE PESTICIDE: FungicideCOMMON NAME: Baytan

STRUCTURE:

CHEMICAL NAME: 1-(4-chlorophenoxy)-3,3-
dimethyl-1-(H-1,2,4-triazole-1-yl)-2-butanol

Form I - D

* asymmetric carbon = Form II - L

CHEMICAL PROPERTIES:

Molecular WeightAqueous SolubilityVapor Pressure

Form I 95 ppm

Form II 49 ppm

Partition Coefficients:Octanol/Water (K_{ow})Soil Adsorption

Form I 794

Form II 1305

Soil Type:% SoilCoefficientsTLC R_fO.M.KK_{oc}

Mobility Class: 2

Kansas loam

3.0

5.26

Hagerstown Silty Clay

2.1

2.37

Florida Sand

3.7

4.05

Kansas silty clay

0.5

0.16

Oregon sandy loam

2.3

0.58

HydrolysisPhotolysisDegradationpH Half-LifeHalf-LifeLab Half-LifeField Half-Life

4.5 stable

Soil: stable

Soil

Soil:

Aerobic: 8-9 months

7.1 stable

Water: 36 hr

Anaerobic: >>8-9 mos.

9.2 stable

photo-sensitized:

Aquatic

Aquatic:

17 hr.
(acetone)

Aerobic:

Anaerobic:

FISH BIOACCUMULATION FACTORSSpeciesTissueWholeDepurationEdibleVisceraFishHalf-Life

X

X

X

FOUND IN GROUND WATER? ESTABLISHED REENTRY INTERVAL ROTATIONAL CROP RESTRICTIONSCOMMENTS: for seed treatment, field dissipation, rotational crop and fish acc. were
waived.REFERENCES: files

Data Requirement	Terrestrial Satisfied	Aquatic Satisfied	Comments
HYDROLYSIS	6/22/83		
PHOTODEGRADATION soil	1/27/84		
water	1/27/84		
SOIL METABOLISM aerobic	6/22/83		
anaerobic			
LEACHING column	6/22/83		
batch	1/27/84		
TLC	6/22/84		
FIELD DISSIPATION soil			waived for seed treatment 6/22/83
water			
forest			
ROTATIONAL CROP			waived for seed treatment 6/22/83
IRRIGATED CROP			
FISH ACCUMULATION			waived for seed treatment 6/22/83
AQUATIC NON-TARGET			