

PESTICIDES STANDARDIZED FOR RICE IN THE PUNJAB

Stem borers

Technical Name	Trade Name	Dose/ acre
ORGANOPHOSPHATE GROUP		
chlorfen- vinfos	Birlane 10G (1977)	9 kg
diazinon	Diazinon 10G (1992)	9 kg
diazinon	Basudin 10G (1977)	7 kg
ethoprophos	Mocap 5G (1988)	10-12 kg
isozofos	Miral 2G (1990)	8 kg
mephosfolan	Cyrolane 3G (1980)	8-10 kg
monocroto- phos	Azodrin 40WSC (1972)	500 ml
monocroto- phos	Nuvacron 40WSC (1992)	500 ml
phorate	Thimet 5G (1999)	10 kg
quinalphos	Ekalux 5G (1972)	8 kg
triazophos	Hostathion 40EC (1996)	600 ml
Triazophos	Hostathion 40EC (1999)	600 ml
CARBAMATE GROUP		
carbofuran	Curaterr 3G (1978)	8-10 kg
carbofuran	Furadan 10G (1974)	8-10 kg
carbofuran	Brifur 3G (1992)	8 kg
carbofuran	Furan 3G (2006)	8 kg
carbofuran	Fenciran 3G (2011)	8 kg
carbofuran	Cartal 10G (2007)	3 kg
carbosulfan	Advantage 5G (1985)	8-12 kg
cartap	Padan 4G (1974)	10 kg
cartap	Padan Technical 95SP (1990)	275-300 gm
cartap	Sadan 4G (2003)	9 kg
cartap	Pashan 4G (2006)	9 kg
cartap	Razex 4G (2006)	9 kg
cartap	Karuz 4G (2008)	9 kg
cartap	Lama 4G (2008)	9 kg
cartap	Hoopoe 4G (2009)	9 kg
cartap	Capstar 4G (2010)	9 kg
cartap	Cusic 8G (2010)	4.5 kg
cartap	Weltap 8G (2006)	4.5 kg
cartap	Zeedan 4G (2008)	9 kg
isoprocarb	Mipcin 50WP (1980)	01 kg
PYRETHROIDES GROUP		
cyhalothrin	Karate 2.5CS (1999)	160 ml
decamethrin/ deltamethrin	Decis 2.5EC (1999)	160 ml
MISCELLANEOUS GROUP		
carbaryl+ gamma bhc	Sevidol 8:8 (1969)	9 kg
dimchypo	Welhyppo 8G (2006)	4 kg
fenitrothion+bpmc	Sumbas 75EC (1986)	400 ml
monomehypo	Almas 10G	4 kg
monomehypo	Mintox 10G (2009)	4 kg
monomehypo	Shark 5G (2006)	7 kg
monomehypo	Mintox 5G (2009)	7 kg
monosultop	Dilute 5G (2010)	7 kg
monosultop	Dilute Super 10G (2010)	3.5 kg
fipronil	Referee 0.3G (2010)	8 kg
fipronil	Regent 80WG (2011)	30 Gram

chlorantraniliprole	Ferrera 0.4G (2011)	4 Kg
quinalphos+ disulfoton	Ekanon 5G (1988)	10-12 kg

Leaf folder

ORGANOPHOSPHATE GROUP		
chlorfen- vinfos	Birlane 10G (1977)	9 kg
diazinon	Diazinon 10G (1992)	9 kg
monocroto- phos	Nuvacron 40WSC (1992)	500 ml
phorate	Thimet 5G (1999)	10 kg
triazophos	Hostathion 40EC (1996)	600 ml
methamido- phos	Tamaron 600SL (1996)	400 ml
CARBAMATE GROUP		
carbosulfan	Advantage 20EC (1999)	500 ml
cartap	Padan 4G (1996)	10 kg
cartap		250 gm
furathiocarb	Deltanet 400EC (1990)	400 ml
cartap	Sadan 4G (2003)	9 kg
cartap	Pashan 4G (2006)	9 kg
cartap	Karuz 4G (2006)	9 kg
cartap	Hoopoe 4G (2009)	9 kg
cartap	Capstar 4G (2010)	9 kg
cartap	Weltap 8G (2006)	4.5 kg
cartap	Zeedan 4G (2008)	9 kg
isoprocarb	Mipcin 50WP (1980)	1 kg
PYRETHROIDES GROUP		
cyhalothrin	Karate 2.5CS (1999)	160 ml
gamma-cyhalothrin	Proaxis 6%CS	75ml
decamethrin/ deltamethrin	Decis 2.5EC (1999)	160 ml
alphamethrin/ alphacypermethr	Fastac 50G/LS EC (1998)	200 ml
cyhalothrin	Karate 0.8LULV (1996)	1000 ml
decamethrin/ deltamethrin	Leopard 2.5EC (2004)	160 ml
MISCELLANEOUS GROUP		
etofenprox	Trebon 30EC (1996)	200 ml
etofenprox	Sumibas 4D (1990)	12 kg
imidachloprid 210 g/l + beta- cyfluthrin 90 g/l	Solomon 30%-O-Teq (2008)	50 ml
triazophos+ deltamethrin	Deltaphos 10+350EC (1996)	400 ml
dimchypo	Decis-D 12.5+300EC (1996)	400 ml
carbaryl+ gamma bhc	Sevidol 8:8 (1969)	9 kg
flubendiamide	Belt 480SC (2011)	75ml
CARBAMATE GROUP		
carbosulfan	Advantage 20EC (Local xylene based formulation) (1996)	500 ml
R.P.M.C.	Bassa 50EC (1983)	500 ml
furathiocarb	Deltanet 400EC (1990)	400 ml
MISCELLANEOUS GROUP		
carbosulfan + monomehypo	Roll up 7.2G (2007)	6 kg
imidachloprid	Confidor 200SL (2003)	40 ml
imidachloprid	Confidor 70WG (2004)	12 gm
imidachloprid	Confidor 20SC (2008)	40 ml

Whitebacked planthopper

imidachloprid	Rimpa 25WP (2008)	72 gm
imidachloprid	Simida 70WDG (2008)	25 gm
thiamethoxam	Actara ST70 (2008)	24 gm
fenitrothion+bpmc	Sumibas 75EC (1986)	400 ml
etofenprox	Trebon 30EC (1996)	200 ml
etofenprox	Sumibas 4D (1990)	12 kg
imidachloprid 210 g/l + beta- cyfluthrin 90 g/l	Solomon 30%-O-Teq (2008)	50 ml

Hopper

ORGANOPHOSPHATE GROUP		
diazinon	Basudin 10G (1977)	7 kg
chlorfen- vinfos	Birlane 10G (1977)	9 kg
diazinon	Diazinon 10G (1992)	9 kg
CARBAMATE GROUP		
isoprocarb	Mipcin 50 WP (1980)	1 kg
MISCELLANEOUS GROUP		
carbaryl+ gamma bhc	Sevidol 8:8 (1969)	9 kg

Grasshopper

MISCELLANEOUS GROUP		
fenitrothion+BPME	Sumibas 75 EC (1986)	400 ml

Mites

ORGANOPHOSPHATE GROUP		
mephosfolan	Cyrolane 3G (1980)	8-10g

Field rats

RODENTICIDES		
brodifacoum	Klerat 0.005 WB	1-2W.B.
coumatetralyl	Racumin-57(1972)	1-2W.B.
FUMIGANTS		
Aluminum phosphide	Phostoxin Tablet	01 tablet/ burrow

Stored grain pests

Aluminum phosphide	Detia Gas-Ex-T (1974)	50-60 Tablets/ 125 cubic meter
	Delicia Gastoxin (1986) Quickphos (1986) Agtoxin (1988)	0.15 gm/ kg(3-5 tablets/ ton of grain
	Phostek 56% (Flat tablets, Round tablets and pallets) Alphosphine Tablets(1996)	02 tablets or six Pallets/ ton of grain 05 tablets/ 1000kg of grain
Magnesium phosphide	Magtoxin-R Plates (1986)	01 plate/ 1000 cubic feet

* Italic entries are registered products but are not available in the market.

PESTICIDES FOR RICE AVAILABLE IN THE MARKET

Stem borers

Technical Name	Trade Name	Dose/ acre
CARBAMATE GROUP		
carboturan	Furadan 10G (1974)	8-10 kg
	Brifur 3G (1992)	8 kg
	Furan 3G (2006)	8 kg
	Cartal 10G (2007)	3 kg
	Fenciran 3G (2011)	8 kg
carbosulfan	Advantage 5G (1985)	8-12 kg
	cartap	10 kg
cartap	Padan 4G (1974)	275-300 gm
	Padan Technical 95SP (1990)	9 kg
	Sadan 4G (2003)	9 kg
	Pasban 4G (2006)	9 kg
	Razex 4G (2006)	9 kg
	Karuz 4G (2008)	9 kg
	Lama 4G (2008)	9 kg
	Hoopoe 4G (2009)	9 kg
	Capstar 4G (2010)	9 kg
	Capstar 4G (2010)	9 kg
	Casic 8G (2010)	4.5 kg
PYRETHROIDES GROUP		
cyhalothrin	Karate 2.5CS (1999)	160 ml
decamethrin/ deltamethrin	Decis 2.5EC (1999)	160 ml
MISCELLANEOUS GROUP		
dimehypo	Welhypo 8G (2006)	4 kg
	Almas 10G	4 kg
	Shark 5G (2006)	7 kg
	Mimtox 10G (2009)	4 kg
	Mimtox 5G (2009)	7 kg
monosultop	Dilute 5G (2010)	7 kg
	Dilute Super 10G (2010)	3.5 kg
fipronil	Referee 0.3G (2010)	8 kg
	Regent 80WG (2011)	30 Gram
chlorantranilprole	Ferterra 0.4G (2011)	4 Kg

Leaf folder

CARBAMATE GROUP		
carbosulfan	Advantage 20EC (1999)	500 ml
cartap	Pasban 4G (2006)	9 kg
	Karuz 4G (2006)	9 kg
	Hoopoe 4G (2009)	9 kg
	Capstar 4G (2010)	9 kg
PYRETHROIDES GROUP		
cyhalothrin	Karate 2.5CS (1999)	160 ml
	Karate 0.8L/V (1996)	1000 ml
gamma-cyhalothrin	Proaxis 6%CS	75 ml
decamethrin/ deltamethrin	Decis 2.5EC (1999)	160 ml
	Leopard 2.5EC (2004)	160 ml
MISCELLANEOUS GROUP		
flubendiamide	Belt 480SC (2011)	75 ml

Whitebacked planthopper

ORGANOPHOSPHATE GROUP		
monocroto- phos	Nuvacron 40WSC (1992)	500 ml
	Tamaron 600SL (1996)	400 ml
CARBAMATE GROUP		
carbosulfan	Advantage 20EC (Local xylene based formulation) (1996)	500 ml
furathiocarb	Deltanet 400EC (1990)	400 ml
MISCELLANEOUS GROUP		
fenitrothion+HPMC	Sumbas 75EC (1986)	400 ml
etofenprox	Sumbas 4D (1990)	12 kg
	Trebon 30EC (1996)	200 ml
carbosulfan + monomehypo	Roll up 7.2G (2007)	6 kg
	imidachloprid	Confidor 200SL (2003)
imidachloprid	Confidor 70WG (2004)	12 gm
	Confidor 20SC (2008)	40 ml
	Rampa 25WP (2008)	72 gm
	Simida 70WDG (200)	25 gm
	imidacloprid 210 g/l + beta-cyfluthrin 90 g/l	Solomon 30%-O-Teq (2008)
thiamethoxam	Actara ST70 (2008)	24 gm

Grasshopper

CARBAMATE GROUP		
carbaryl	Sevin 85SP	01Kg
PYRETHROIDES GROUP		
bifenthrin	Tabstar 10EC (1986)	250ml

*No any insecticide is standardized for rice grasshopper, however, above mentioned can control them successfully.

Field rats

FUMIGANTS		
Aluminum phosphide	Phostoxin Tablets	01 tablet/ burrow

Stored grain pests

Aluminum phosphide	Delta Gas-Ex-T (1974)	50-60 Tablets/ 125 cubic meter
	Delicia Gastoxin (1986)	0.15 gm/ kg(3-5 tablets/ ton of grain
	Quickphos (1986)	
	Aetoxin (1988)	02 tablets or six Pallets/ ton of grain
Phostek 56% (Flat tablets, Round tablets and pallets)		
Magnesium phosphide	Alphosphine Tablets (1996)	05 tablets/ 1000kg of grain
	Magtloxin-R Plates (1986)	01 plate/ 1000 cubic feet

- Liquid insecticides should be applied with 100-120 litres of water.
- Granular insecticides should be applied in stagnant water of 03" depth by broadcasting and maintain this water level for 5- 6 days for complete penetration of insecticide in the plant.

Disclaimer: Above list of pesticides available in the market based on the survey conducted for their availability and supply so variations may occur locally to locality

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PESTICIDES STANDARDIZED FOR RICE IN THE PUNJAB



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