

New Pest Control Technologies

The following new chemistries are being investigated. Click on the chemical name for a full discription of new pesticides for **carrot**

Chemical Name	Trade Name	Activity	Chemistry	Registration Status
Iodomethane		Nematicide	Methyl Iodide	Potential
Fipronil	Regent, Icon, Agenda	Insecticide	Phenylpyrazole - A broad spectrum neurotoxin, unique mode of action.	Pending
Flonicamid	Turbine 50 WG	Insecticide	Cyanomethany trifluoromethyl nicotinamide. Unknown mode of action, different from commercial available products.	Pending
Thiacloprid	Calypso, Alanto, Bariard	Insecticide	Second generation neonicotinoid.	Potential
Fenamidone	Reason	Fungicide	Imidazolinone (Respiration Inhibitor)	Pending
Kaolin	Surround	Insecticide	Clay	Registered
Boscalid BAS 510	Endura	Fungicide	Nicotinamide	Pending
Fluazinam	Omega	Fungicide	Pyridinamine	Potential
Flucarbazone-sodium	Everest 70 WG	Herbicide	Sulfonylaminocarbonyl-triazolinone (ALS Inhibitor)	Potential
Imidacloprid	Admire, Provado, Gaucho, Maraathon II	Insecticide	Chloronicotinyl	Registered
Nocobifen-BAS 510	Honor	Fungicide	Nicotinamide	Pending
Famoxadone	Famoxate, Equation, Contact	Fungicide	Oxazolidinedione	Potential
Carfentrazone-ethyl	Affinity, Aim	Herbicide	Aryl triazolinone (PPO Inhihitor)	Pending
Zeta-cypermethrin	Fury, Mustang, Mustang Maxx	Insecticide	Pyrethroid	Pending
Methoxyfenozide	Intrepid,	Insecticide	Diacylhydrazine (molt	Registered

	Runner		accelerating compound)	
Ipconazole	Vortex	Fungicide	Triazole	Pending
Bacillus thuringensis		Insecticide	Bacteria	Registered
Pelargonic Acid	Scythe	Herbicide	Fatty acid	Registered
Streptomyces lydicus WYEC 108	Actinovate, Actino-Iron	Fungicide	Bacterium	Pending
Gliocladium catenulatum Strain J1446	Prestop	Fungicide	Fungus	Registered
Glutamic Acid	AuxiGro	Fungicide	Glutamic acid	Pending
Colletotrichum gloeosporioides f. sp. malvae	Mallet WP	Herbicide	Fungus	Pending
Ampelomyces quisqualis isolate M-10	AQ 10	Fungicide	Fungus	Pending
Bistrifluron	DBI-3204	Insecticide	Benzoylphenyl urea	Potential
Chromafenozide	Matric	Insecticide	Insect Growth Regulator	Potential
Ipconazole	Vortex	Fungicide	Triazole	Pending
Muscodor albus		Fungicide	Biofungicide	Potential
Bacillus subtilis	Taegro	Fungicide	Microbial	Potential
Azoxystrobin	Quadris, Abound, Amistar 80 WG	Fungicide	Strobilurin	Registered
Bacillus pumilus strain 2808	Sonata AS	Fungicide	Microbial	Registered
Bacillus subtilis strain QST 713	Serenade	Fungicide	Microbial	Potential
AKD-3088		Nematicide		Potential
Sethoxydim	Poast	Herbicide	Cyclohexanone (ACCCase Inhibitor)	Registered
Metarhizium anisopliae	Taerain	Insecticide	Metarhizium anisopliae	Pending
Bifenthrin	Capture,	Insecticide	Pyrethroid	Pending

	Brigade			
Terrapy		Nematicide	Fatty acid preparation in alkyl(poly)glycoside	Potential
BAS 516	Pristine	Fungicide	Multi active ingredients, Boscalid and Pyraclostrobin	Registered
Pyraclostrobin	BAS 500F, Headline, Cabrio	Fungicide	Strobilurin-Mitochondrial Electron Transport Inhibitor	Registered
Clethodim	Select, Prism	Herbicide	Cyclohexanone ACCase Inhibitor	Registered
Deltamethrin	Decis	Insecticide	Pyrethiod	Registered
Coniothyrium minitans	Contans WG	Fungicide	Fungus	Potential
Glyphosate	Roundup, touchdown	Herbicide		Registered
Copper Octanoate	NEU 1140F	Fungicide	Copper Octanoate	Registered
Mefenoxam	Ridomil Gold	Fungicide	Active isomer of metalaxyl.	Registered
Sethoxydim	Poast	Herbicide	Cyclohexanone (ACCase Inhibitor)	Registered
Cyfluthrin	Baythroid, Renounce 20 WP	Insecticide	Pyrethiod	Registered
Esfenvalerate	Asana	Insecticide	Pyrethroid	Registered
Cyprodinil/Fludioxonil	Switch	Fungicide	Anilinopyrimidine and Phenylpyrrole	Pending
Thiamethoxam	Actara, Platinum, Adage 5 FS, Centric	Insecticide	Second generation neonicotinoid. Systemic in plant by root uptake and transport in xylem.	Pending
Azadirachtin	Neemix, Niblecidine	Insecticide	Extract from neem oil which acts as a hormonal analo.	Registered
Flumioxazin	Valor 50 WD	Herbicide	N-phenylphthalimide derivative (PPO Inhibitor)	Potential
Spinosad	Success, Spintor	Insecticide	Macrocyclic lactone	Pending
Propamocarb	Previcar	Fungicide	Carbamate - Systemic root	Potential

Hydrochloride			uptake & acropetal distribution throughout the plant.	
Propiconazole	Tilt, Orbit	Fungicide	Triazole	Pending
Trifloxystrobin	Flint, Twist, Stratego* (*mix with propiconazole)	Fungicide	Strobilurin	Pending

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