









Listing of Conventional Potato Fungicides/Nematicides/Combinations with Insecticide for Selected Diseases & Nematodes with Efficacy

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Fungicide Information		Tuberborne							Foliar					Comments below are to assist in the appropriate use of these products. Read the label for rates, uses and specific diseases.							
Trade Names	MOA Code	Common Name	Uses	Activity	REI (hrs.)	PHI	Black Dot	Black Scurf/Canker	Com. Scab/Pow. Scab	Fusarium Dry Rot	Late Blt. Tuber Blt.	Leak	Pink Rot		Silver Scurf	Black Dot	Early Blight	Gray Mold	Late Blight	Verticillium	White Mold
 Cornell University																					 Cornell University Cooperative Extension
<u>Agri-mycin 17</u>	25	<i>Streptomycin sulfate</i>	SP	C	12	0															Soft rot & blackleg bacteria
<u>Agclor 310, Decco Slt</u>	M	<i>sodium hypochlorite</i>	PH	C	4?	0					P		P								For cleaning or wash water trt.
<u>Agri-Tin</u> * <u>Super-Tin</u> *	30	triphenyltin hydroxide	F	C												G		F			Supp. of Col. Potato Beetle.
<u>Bio-Save 10LP</u>	Bio	<i>Pseudomonas syringae</i>	PH	C	4	0				G				G							Apply with uniform coverage.
<u>Blocker 4F</u>	14	<i>pentachloronitrobenzene</i>	IF	C	12	0		G													See plant back restrictions.
<u>Bravo WS, Chloro. 720, Echo, Equus, Initiate</u>	M5	<i>chlorothalonil</i>	F	C	12	7					P				G	G	G	G			Imp. contact foliar trt.; used alone or tank-mixes; repeat use leads to EB Tol.
<u>Catamaran</u>	M5+33	<i>chloro. + K phosphite</i>	F	C	12	7						F	F		G	G	G	OK			Suppr. Leak & Pink Rot
<u>Copper, Bas. Cu Sulfate</u>	M1	<i>basic copper sulfate</i>	F	C	24	0					P					F		F			Also <u>Basic Cu Sulfate 53 (OMRI)</u> ; <u>Cuprofix Ultra</u>
<u>Champ, Champion, Cuprofix (12h),</u>	M1	<i>copper hydroxide</i>	F	C	24	0					P					F		F-G			Also <u>Kentan, Kocide, Nu-Cop 50WP (OMRI)</u>
<u>Badge SC, C-O-C-S,</u>	M1	<i>copper oxychloride + copper hydroxide</i>	F	C	24	0					P					F		F-G			Use all coppers preventatively.
<u>CruiserMaxx Potato</u>	Ins+12	thiamethoxam + fludioxonil	SP	C Sy	12	0		G		G				G							Sys. for certain chewing and sucking insects.
<u>Curzate, tank mix with contact</u>	27	<i>cymoxanil</i>	SP	F							P					G		F-G			Choose when plants are actively growing for LB trt.
<u>Dithane DF RainShd.</u> * <u>Manzate Pro-Stick,</u> <u>Penncozeb</u>	M3	<i>mancozeb</i>	SP	F	C	24	3	F	F, CS	F	P					G		G			* Restricted ; Seed piece dip, whole/cut seed; Tank-mix compo. or wkly alter.
<u>Endura</u>	7	<i>boscalid</i>	F	Sy TL	12	10									G	F			G		Suppression only for Gr Mld; Res reported , but not in Pot.
<u>Evito 480SC, tank-mix</u>	11	<i>fluoxastrobin</i>	F	TL	12	7										F		F			Not yet registered; Res for EB
<u>Evolve Potato SP Treatment</u>	1+M3+ 27	<i>thiophanate-methyl + mancozeb + cymoxanil</i>	SP	Sy C	24	0		G		G	G			G							<i>Cymoxanil</i> component good for LB.

Continued - Fungicide Information							Tuberborne							Foliar							
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<u>Forum 4.18SC, tank-mix with contact</u>	40	<i>dimethomorph</i>	F	TL	12	4												G			Should be <u>tank-mixed</u> to prevent Res. development.
<u>Gaucho-MZ</u>	Ins.+M3	<i>imidacloprid+mancozeb</i>	SP	C	24	0															Contact for fung., Sys. for ins.
<u>Gavel 75DF</u> *	22+M3	<i>zoxamide + mancozeb</i>	F	C	48	3					G							G	G		* Restricted ; see also <u>Zoxium</u> .
<u>Gem 500SC</u> "No aerial applic. in NYS."	11	<i>trifloxystrobin</i>	F	TL	12	7												G	G		Use only in a <u>tank-mixed</u> ; Res. for EB with Gp. 11 is common.
<u>Headline 2SC</u> "No aerial applic. in NYS."	11	<i>pyraclostrobin</i>	F	TL	12	3									E	G	G	G	G	F	Use only in a <u>tank-mixed</u> ; Res. for EB with Gp. 11 is common. <u>Suppr.</u> only for WM.
<u>ManKocide</u>	M1+M3	<i>mancozeb+copper hydroxide</i>	F	C	24	3												G	G		
<u>Maxim Dry, Maxim 4FS Flowable</u>	12	<i>fludioxonil</i>	SP	C	12	0		G		G				G							Dry, Not for Seed Prod. ; 4FS for seed, followed with full rate MZ or use Quadris IF.
<u>Maxim MZ Pot.Seed</u>	12+M3	<i>fludioxonil+mancozeb</i>	SP	C	24	0		G		G-E				G							Good all around treatment.
<u>Mertect 340F</u>	1	<i>thiabendazole</i>	PH	C	12	0				G											Res. concern, determine if still effective.
<u>Moncoat MZ</u>	7+M3	<i>flutolanil+mancozeb</i>	SP	C	24	0		G		G				G							For suppression of all 3
<u>Moncut 70DF</u> †	7	<i>flutolanil</i>	IF					G	PS												† Not for use on LI. <u>Suppression</u> Powdery Scab.
<u>Nubark Mancozeb</u>	M3	<i>mancozeb</i>	SP	C	24	0				G											Also <u>Potato Seed Treat. PS</u>
<u>Omega 500F</u>	29	<i>fluazinam</i>	F	C	48	14			PS		G							G			Not registered in NYS.
<u>Phosphorous acid</u> "Not all labeled for all Uses given"	33	<i>phosphorous acid</i>	IF, F PH	C	4	0					G	G	G					G	G		<u>Agri-Fos, Posphite, Fungi-Phite, ProPhyt, *Kphite, Phostrol, Rampart</u>
<u>Polyram 80DF</u>	M3	<i>metiram</i>	F	C	24	3												G	F		Good tank-mix or alternating contact fungicide.

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Presidio *	43	fluopicolide	F	C	12	7					E		G								Potato USE Not Yet Registered.
Previcur Flex * Tk-mix	28	propamocarb	F	Sy	12	14										G		G			Tank-mix with contact
Quadris F tank-mix; "Don't spray near apple trees "	11	azoxystrobin	IF F	TL	4	14		G						G	E	G tm		F- G			Use only in a <u>tank-mix</u> ; Res for EB with Gp. 11 is common.
Quadris Opti F "Don't spray near apple trees "	11+M5	azoxystrobin+chlorothalonil	F	TL C	12	14									E	G		G			Res. not at issue because of tank-mix.
Quadris Top "Don't spray near apple trees "	11+3	azoxystrobin+difenoconazole	F	TL C	12	14									E	G					Res. not at issue because of tank-mix. Also labeled for Brown Spot (<i>A. alternata</i>).
Quadris Ridomil Gold SL	11+4	azoxystrobin+mefenoxam	IF F		0	0	G	G				G	G								" Good only if sensitive isolates are present. "
Ranman 400SC	21	cyazofamid	IF F	C	12	7					G		OK			G tm		G			Must be tank-mixed with contact for EB control.
Reason 500SC * †	11	fenamidone	F	TL	12	14									F Su	G tm		G			* Restricted ; † " Not for use on LI. " Use only in a tank-mix; Res. for EB with Gp. 11 is common. <u>Suppr.</u> for BD.
Revus	40	mandipropamid	F	TL	12	14												E			TM for EB control.
Revus Top	40+3	mandipropamid+difenoconazole	F	C TL	12	14					OK				G	G		E			Also labeled for Brown Spot (<i>A. alternata</i>).
Ridomil Gold SL	4	mefenoxam	IF	Sy	48	0						G	G								" Good only if sensitive isolates are present. " <u>Twist</u> and <u>Ultra Fluorish</u> also registered.
Ridomil Gold Bravo, Rid. Gold Copper, Rid. Gold MZ	4+M5 4+M1 4+M3	mefenoxam+chlorothalonil mefenoxam+cop. hydroxide mefenoxam+mancozeb	F	Sy C	48	14					?	?	?			G		F- G			<i>Mefenoxam</i> is effective for LB genotype US22. Can use <u>MZ formulation</u> 3 d PHI.

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Rovral 4F	2	<i>iprodione</i>	F	C	24	14										G					G	One of few for WM control.
Scala SC	9	<i>pyrimethanil</i>	F	C	12	7										G						Use in tank-mix with another EB fungicide.
Sectagon 42*	Nem.	<i>metam sodium</i>	So	Gas	5d	0														Su		Highly specific applic. req.; <u>Suppr.</u> for RKN, wd seed, Vert.
Serenade Soil OMRI	Bio.	<i>Bacillus subtilis</i> QST 713	SD	IF	C	4	0		G	?												Primarily for Rhizoctonia.
T-22 HC OMRI	Bio.	<i>Trichoderma harzianum</i>	SP	C	0	0		G														Cut or whole seed; Use for Rhiz. control.
Tanos 50DF tank-mix	11+27+C	<i>famoxadone + cymoxanil + contact</i>	F	C	12	14									Su	G		G				TM with contact. Labeled for Br Spot (<i>A. alternata</i>) and <u>Suppr.</u> Bac. Stem rot.
Thiophanate Methyl 85WDG	1	<i>thiophanate-methyl</i>	F	Sy	2d	21																Also 4.5F formulation; thorough coverage is essential.
Topsin M 70WDG	1	<i>thiophanate-methyl</i>	F	Sy	2d	21															G	Also 70WP, WSB, 4.5FL formulations.
Tops MZ Potato SP Treatment	1 + M3	<i>thiophanate-methyl + mancozeb</i>	SP	Sy	C	24	0		G	G	?			G								MZ reduces surface spread of LB.
Tops MZ Gaucho	1 + M3 + Ins.	<i>thiophanate-methyl + mancozeb + imidacloprid</i>	SP	Sy	C	24	0		G	G	?			G								MZ reduces surface spd of LB; Ins. (Aph., CPB, Flea btles, Pot LH, psyllids, wireworms)
Vapam HL*	Nem.	<i>metam sodium</i> (sodium methylthiocarbamate)	So	Gas	5d	0															Su	Highly specific applic. req.; <u>Suppr.</u> for RKN, weed sd, Vert.
Vydate C-LV*[†] Not on LI	Nem./ Ins. IA	<i>oxamyl</i>	IF, F	Sy	48	7																For <u>suppr.</u> of nem. (Root Knot, Stubby Root, Lesion); Ins. (aph., CPB, Flea btls, Pot LH, Tarn. PB)
Zoxium 80WSP*	22	<i>zoxamide</i>	F	C	48	3					G										G	TM with contact fungicide for control other than just LB.

USES: F = foliar; IF = in furrow; PH = post harvest; SD = soil drench; SP = seed piece; So = soil application, fumigant; ACTIVITY: C = contact; Sy = systemic; TL = translaminar; t m or TM = tank mix; SCALE: P = Poor; F = Fair for suppression; OK = try; G = Good. Copyright T. A. Zitter © Cornell University 2011