



**Overview of Potato Fungicide Roster**

See: <http://vegetablemdonline.ppath.cornell.edu> for more updates. NYS (underlined = currently registered); [FRAC No. **Product** <sup>DTH</sup>]  
(T. A. Zitter NOV 2013)

**Systemic** fungicides are in **BOLD**; **Protectants** are listed first in upper left corner.

**Protectants/Mixing Partners (Field diseases listed)**

- <sup>M5</sup>chlorothalonil<sup>7</sup> = **Bravo** WS (limit of 15 pts/A), **Echo**, **Equus**, **Chlorothalonil 720**, **Initiate** (EB, LB, **BD**, Botrytis vine rot)
- <sup>M3</sup>mancozeb<sup>3</sup> = **Dithane**, **Manzate**, **Penncozeb**, **Roper DF** (EB, LB, **BD** on some) (all as **Seedpiece** trt.) (15 lb/crop)
- <sup>M3</sup>metiram<sup>3</sup> = **Polyram** (EB, LB) (**a sgl Seed Trt. allowed**) (12 lb/crop)
- <sup>30</sup>tin hydroxide<sup>7</sup> = **\*Super Tin**, **\*Agri Tin** (EB, LB) (restricted use) (limit of 18 fl oz or 11.25 oz/sea., respect.)
- <sup>M1</sup>fixed copper<sup>0</sup> = **Badge SC**, **Badge X**, **OMRI**, **Basic Copper Sulfate & 53**, **Champ WG**, **OMRI** & **Dry Prill**, **Cueva**, **OMRI**, **Kentan DF**, **Kocide**, **Cuprofix**, **Mastercop**, **Nordox 75WG**, **OMRI**, **Nu-Cop 50WP**, **OMRI** (EB, LB) (Also <sup>M3+M1</sup>**ManKocide**<sup>5</sup> (limit of 74.7 lb/A))
- <sup>Bio(44)</sup>**Bacillus subtilis**<sup>0</sup> = **Serenade ASO** (EB, LB), **Serenade MAX** and **Sonata** (<sup>Bio</sup>**Bacillus pumilis**<sup>0</sup>) **OMRI** (PM, WM, Gy Mold, EB, LB) (**Seed**, SS)
- <sup>Bio</sup>T-22<sup>0</sup> **OMRI** (*T. harzianum*) & <sup>Bio</sup>RootShield Plus WP<sup>0</sup> **OMRI** (*T. harzianum* + *T. vires*) (root pathogens) (**Whole or Cut Tuber Dip**, **Dust**, **IF**)
- <sup>Multi</sup>Oxidate<sup>0</sup> (*hydrogen peroxide*) **OMRI** (**Seed**, Fus.) (EB, LB)
- <sup>M2</sup>Sulfur<sup>0</sup> = **Kumulus**, **OMRI**, **Microfine**, **Micro Sulf**, **OMRI**, **Microthiol**, **OMRI**, **Sulfur 6L**, **That** (PM)

**Group 11 Strobilurins (QoI) and "others"** (**EB\***, LB, **BD**) (*Strobilurins are no longer effective for \*EB\* unless tank-mixed with another MOA*)

- <sup>11+M3</sup>**Cabrio Plus**<sup>3</sup> (*pyraclostrobin* + *metiram*) (EB<sup>OK</sup>, LB, **BD**, PM, **Suppr. WM**) (limit to 17.4lbs. /A/sea.)
- <sup>11</sup>**Quadris**<sup>14</sup> (*azoxystrobin*), (**EB\***, LB, **BD**) (123 fl oz/sea)
- <sup>11+M5</sup>**Quadris Opti**<sup>14</sup> (*azoxystrobin* + *chlorothalonil*) (EB<sup>ok with mixture</sup>, LB, **BD**) (6 applic or 1.5lb a.i./season)
- <sup>11+3</sup>**Quadris Top**<sup>14</sup> (*azoxystrobin* + *difenoconazole*) (EB<sup>OK</sup>, **BD**, Brown Spot, PM) (limit 55.3 fl oz/A)
- <sup>11</sup>**Gem**<sup>7</sup> (*trifloxystrobin*) (**EB\***, LB), (*No aerial application in NYS*) (23 fl oz/season)

- <sup>11</sup>**Headline SC**<sup>3</sup> (*pyraclostrobin*) (**EB\***, LB, **BD**) (72 fl oz/season) (*aerial application allowed*)
- †<sup>11</sup>**Reason**<sup>14</sup> (*fenamidone*) (**EB\***, LB, **BD**) (limit to 24.6 fl oz/season)
- <sup>11</sup>**Tanos**<sup>14</sup> (*famoxadone* + *cymoxanil*) (EB<sup>ok when with protectant</sup>, LB) (6 applications/season or 48 oz.)
- <sup>11</sup>**Evito**<sup>7</sup> 480 SC (*fluoxastrobin*) NOT NYS (**EB\***, Supp. of LB) (22.8 fl oz/sea.)

**Others**

- <sup>7</sup>**Endura**<sup>10</sup> (*boscalid*) (EB) (4 applic./season, 18 or 20 oz by rate)
- <sup>2</sup>**Rovral**<sup>14</sup> (*iprodione*) (EB, W Mold) (4 applic/sea.)
- <sup>9</sup>**Scala**<sup>7</sup> (*pyrimethanil*) (EB) (tank mix; 35 fl oz/sea.)
- <sup>3</sup>**Quash**<sup>1</sup> (*metconazole*) (**BD**, Br Spot, EB, GM, WM) (4 applic/sea. or 16oz)
- <sup>7</sup>Luna Privilege<sup>7</sup> (*fluopyram*) (limit 10.95 fl oz) (EB, WM, Gray Mold, suppression **BD**)
- <sup>7+9</sup>Luna Tranquility<sup>7</sup> (*fluopyram* + *pyrimethanil*) (limit 43.6 fl oz) (EB, PM, suppression of Botrytis, WM, **BD**)
- <sup>11+7</sup>Priaxor<sup>7</sup> (*fluxapyroxad* + *pyraclostrobin*) (limit 24 fl oz) EB, Br. Spt, **BD**, Supp. Gray mold and LB, PM, Suppression for WM.
- <sup>7</sup>Vertisan<sup>7</sup> (*penthiopyrad*) (limit 72 fl oz total) (EB, Br. Spt, GM, **BD**)
- <sup>29</sup>Omega<sup>14</sup> (*fluazinam*) (NOT registered)

**Late Blight (tank mix [TMix] and alt. with protectant or other MOA)**

- <sup>4+M5</sup>**Ridomil Gold Bravo**<sup>14</sup> (LB, US 22, 23, 24 only, EB) (also <sup>4+M1</sup>**RidGold/Cu**<sup>14</sup> and <sup>4+M3</sup>**RidGold/MZ**<sup>3</sup>) (see label limits)
- ~~<sup>43</sup>**Presidio**<sup>7</sup> (*fluopicolide*) (LB, PR) **Tuber blight** (limit of 4 applic./season or 12 fl oz)~~
- <sup>28</sup>**Previcur Flex**<sup>14</sup> (*propamocarb*) TMix, LB (limit to 5 applic.)
- <sup>21</sup>**Ranman**<sup>7</sup> (*cyazofamid*) (LB, **Tuber blight**) (TM, limit of 27.5 fl oz/sea. or 10 applic.)
- <sup>22+M3</sup>**Gavel**<sup>3</sup> (*zoxamide* + *mancozeb*) (also EB) (6 applic. limit or 6 pts.)
- <sup>22</sup>**Zoxium**<sup>3</sup> (*zoxamide*) (LB) (TM, limit of 8 applic. or 2 lbs.)
- <sup>40</sup>**Forum**<sup>4</sup> (*dimethomorph*) (TMix, LB, **suppression of Tuber blight.**) (limit 30 oz/season)
- †<sup>11</sup>**Reason**<sup>14</sup> (*fenamidone*) (LB) † (Not LI) (limit 24.6 fl oz/season)
- <sup>3+40</sup>**Revus Top**<sup>14</sup> (*difenoconazole* + *mandipropamid*) (**BD**, Brown spot, EB, LB, PM (*Erysiphe*) Sept LS (limit 4 applic./sea. or 28 fl oz)
- <sup>11+27</sup>**Tanos**<sup>14</sup> (*famoxadone* + *cymoxanil*), **TMix** (LB) (6 appl./season limit or 48 oz.)
- <sup>27</sup>**Curzate**<sup>14</sup> (*cymoxanil*) TMix (limit of 7 applic./yr.)



## 2013 Potato Fungicides NYS

- M5 + 33 **Catamaran**<sup>7</sup> (phosphorous acid + chlorothalonil) (LB, EB, **BD**, Botrytis vine rot) (limit 40 pts/season)
- 33 **ALL**<sup>0</sup> for LB = **Agri-Fos**, \***Fosphite**, **Fungi-Phite**, **ProPhyt**, \***Kphite**, **Phostrol**, **Rampart**, **Resist 57** (phosphorous acid)
- 29 Omega<sup>14</sup> (*fuazinam*), (not NYS) (LB, WM, Suppression of Powdery Scab)
- 45 + 40 Zampro (*ametocradin + dimethomorph*) (LB and **Tuber Blight**) NOT registered.
- M **Prev-Am**<sup>0</sup> (*borax*) (LB)

### White Mold, primarily

- 1 **Topsin M**<sup>21</sup> *thiophanate methyl* (WM) (4 lb/season limit)
- 7 **Endura**<sup>10</sup> (*boscalid*) (EB, WM) (2 applic @ hi rate)
- 2 **Rovral**<sup>14</sup> (*iprodione*) (EB, WM) (4 applications)
- Bio **Contans**<sup>0</sup>, **OMRI** (*C. minitans*) (WM)

### Seed Piece Treatments (liquids and dusts; some combinations for insects and diseases)

- 25 **Agri-mycin 17**<sup>0</sup>, **OMRI**, or **AG Strep.** (Soft rot, Black leg)
- †<sup>Insect+12</sup> **CruiserMaxx Potato**<sup>0</sup> (*thiamethoxam + fludioxonil*) liquid seed treatment (chewing and sucking insects and Fusarium dry rot, seedborne Rhiz. & SS) (**Not LI**)
- 11 **Dynasty** (*azoxystrobin*) liquid seed treatment (Rhiz, **BD**, Silver Scurf)
- M3 **Nubark Mancozeb**<sup>0</sup> (*mancozeb*) (Fus Seed piece decay)

- M3 **Potato Seed Treater**<sup>0</sup> PS 8% or 6% (*mancozeb*) (Fus. Rot)
- M **PM223**<sup>0</sup> (*protein*) (seed suberization) Exempt, not listed in PIMS registry.
- 1 + M3 + 27 **Evolve**<sup>0</sup> (*thiophanate-methyl + mancozeb + cymoxanil*) (LB, Fus, R, SS)
- Insect. + M3 **Gaucha MZ Pot S-P Trt.**<sup>0</sup> (*imidacloprid + mancozeb*) (Fus dry rot)
- 12 + M3 **Maxim MZ**<sup>0</sup> (*fludioxonil + mancozeb*) (Fus, R, SS)
- 7 + M3 **Moncoat MZ**<sup>0</sup> (*flutolanil + mancozeb*) (Fus, R, SS)
- Bio **T-22 HC**<sup>0</sup>, **OMRI** (*T. harzianum*) (Rhiz); Bio **RootShield Plus WP**<sup>0</sup> (*T.h + T.v.*) (Rhiz, Fusarium) (Bio **RootShield Plus Granules**<sup>0</sup> NOT Listed for potato)
- Bio **Mycostop**<sup>0</sup>, **OMRI** (*S. griseoviridis*)
- 1 + M3 **Tops MZ Pot. S-P Trt.**<sup>0</sup> (*thiophanate-methyl + mancozeb*)
- Insect. + 1 + M3 **Tops MZ Gaucha**<sup>0</sup> (*thiophanate-methyl + imidacloprid + mancozeb*) (Fus, R, SS)

### In-Furrow and Soil Treatments

- Bio **Actinovate AG** or **Actino-Iron**<sup>0</sup>, **OMRI** (*S. lydicus*) (?)
- 11 **Quadris**<sup>0</sup> (*azoxystrobin*) (Rhiz, SS, **BD**) (see label limits)

- 11 **Quadris** + 4 **Ridomil Gold**<sup>0</sup> (*azoxystrobin + mefenoxam*) (Rhiz, **BD**, Pythium, PR) (see label limits)
- 14 **Blocker**<sup>0</sup> (*quintozene*) (Rhiz.)
- † **Moncut**<sup>0</sup> (*flutolanil*) (Rhiz., Powdery Scab suppression only) (**Not LI**)
- 33 **Agri-Fos**<sup>0</sup>, **ProPhyt**, **Phostrol** or OLP (Sto. Rots = Pyth leak, Pink rot)
- 4 **Ridomil Gold**<sup>0</sup> (*mefenoxam*) (Sto. Rots, **Pyth\***, **PR\***, **Resistance concern**) (see label limits)
- 4 **Ultra Flourish**<sup>0</sup> (*mefenoxam*) (Sto. Rots, **Pyth\***, **PR\***, **Resistance concern**)
- 4 + M5 **Ridomil Gold Bravo**<sup>14</sup> (*mefenoxam + chlorothalonil*) (Sto. Rots, Pyth, PR)
- 21 **Ranman**<sup>0</sup> (*cyazofamid*) (Pink Rot)
- Bio **RootShield Plus WP**<sup>0</sup> (*T. h. + T. v.*) (**IF** Rhizoctonia, Fusarium)
- Bio **Serenade Soil**<sup>0</sup>, **OMRI** (*Bacillus subtilis*) (Rhiz.)
- †\*<sup>Nem</sup> **Vydate**<sup>14</sup> **C-LV** (*oxamyl*) (Supp. lesion, stubby root, root knot nematodes) (**not LI**)
- †\*<sup>Nem</sup> **Mocap** EC (**not LI**)
- 7 **Vertisan**<sup>7</sup> (*penthiopyrad*) (limit 72 fl oz total) (**IF Rhizoctonia**)

### Post harvest Treatments

- 33 **Agri-Fos**<sup>0</sup>, \***Fosphite**, **Fungi-Phite**, **ProPhyt**, **Phostrol**, **Rampart**, \***Resist 57** (LB, Pink Rot), (**Recommended for processing only**)
- Bio **Bio-Save**<sup>0</sup>, **OMRI** (Fus DR, SS)
- 1 **Mertect**<sup>0</sup> (*thiabendazole*) (*Fus. Dry rot\**, **Resistance is a concern**)
- Bio **Serenade MAX**<sup>0</sup>, **OMRI** (SS)
- 11+12+3 **Stadium**<sup>0</sup> (*azoxystrobin + fludioxonil + difenoconazole*) **Not for use on seed potatoes or seed pieces** (Silver Scurf & Fusarium Dry Rot)

### OMRI Listed Products (Most multi-site)

- Bio **Actinovate AG** or **Actino-Iron**<sup>0</sup> (*S. lydicus*) (?)
- Bio **Bio-Save 10LP**<sup>0</sup> (*P. syringae*) (Fus DR, SS)
- Bio **T-22**<sup>0</sup> (*Trichoderma*) (Rhiz); Bio **RootShield Plus WP**<sup>0</sup> (*T. harzianum + T. virens*) (Root rot pathogens like *Fusarium* and *Rhizoctonia*) (**Whole or cut Tubers as dip, dust, or IF**)
- SAR **Regalia EC**<sup>0</sup> (*Reynoutria*), (see label)
- Bio **Mycostop**<sup>0</sup> (*S. griseoviridis*) (see label)
- M1 **Badge X**<sup>0</sup>, **Champ WG**, **Cueva**, **Nordox 75WG**, **Nu-Cop 50WP**, (EB, LB)
- M2 **Sulfur**<sup>0</sup> = **Kumulus**, **Micro Sulf**, **Microthiol**, (PM)
- M **Organic JMS Stylet-oil**<sup>0</sup> (EB, PM, Insects)
- Bio **Contans**<sup>0</sup> (*Coniothyrium*) (White Mold)
- M **Trilogy**<sup>0</sup> (*neem oil*) (EB, PM, insects)
- Bio (44) **Serenade ASO&MAX**<sup>0</sup> (*B. subtilis*) (EB, SS)
- Bio (44) **Serenade Soil**<sup>0</sup> (*B. subtilis*) (Rhiz.)
- Bio **Sonata**<sup>0</sup> (*Bacillus pumilis*) (EB)
- Multi **Oxidate**<sup>0</sup> (*hydrogen peroxide*) (EB, LB?)

\* Restricted to registered applicators; †Not for use on Long Island; TM = tank-mix. Every effort has been made to provide correct and up-to-date information at the time of this publication. Trade names used are for convenience only. No endorsement of products intended, nor is criticism of unnamed products implied. These recommendations are not a substitute for pesticide labeling. Always read the product label before applying any pesticide.