Late Blight Fungicide Control Update for August 2010

T. A. Zitter
Department of Plant Pathology and Plant-Microbe Biology
Ithaca, NY 14853

With the discovery of Late Blight on both Tomato and Potato in garden crops this past week, it is good to review the choice of fungicides that exist for control. This is especially true since the genotype involved in both cases (Livingston Co in western NY and Chenango Co in central NY) was the same as we dealt with last year, US22 (with the exception of some US8 in commercial potato). US22 is sensitive to the fungicide Ridomil (*mefenoxam*) and *mefenoxam* would offer excellent systemic movement in the plant with curative activity. We have several Ridomil products registered in the state including:

1) Tom. and Pot. $^{4+M5}$Ridomil Gold Bravo SC $^{5DTHTom,\ 14DTHPot}$ (EPA 100-1221) REI 48 hrs (*mefenoxam* + *chlorothalonil*)

2) Tom. and Pot. $^{4+M1}$Ridomil Gold Copper $^{14DTH\ Tom\ \&\ Pot}$ (EPA 100-804) REI 48 hrs (*mefenoxam* + *copper hydroxide*)

3) Tom. and Pot. $^{4\ +\ M3}$Ridomil Gold Mancozeb WG $^{5DTH\ Tom,\ 3DTH\ Pot}$ (EPA 100-1269) REI 48 hrs (*mefenoxam* + *mancozeb*).

Other fungicides registered for Late Blight control include systemic, translaminar, and contact as given below:

Systemic Fungicides for LB

Tomato

- **^{28} Previcur Flex^{5DTH} + contact^{5} (*propamocarb*)**

Potato

- **^{28} Previcur Flex^{14DTH} + contact^{14} (*propamocarb*)**

Translaminar Fungicides for LB

- **^{27}Curzate^{3} + contact^{3or5} (*cymoxanil* + *chloro*, *mz* or *copper*)**
- **$^{11+27}$Tanos^{3} + contact^{3or5} (*famoxadone* + *cymoxanil* + above)**
- **^{40}Revus^{1} (*mandipropamid*)**
- **$^{40+3}$Revus Top^{1} (*mandipropamid* + *difenoconazole*)**
- **$^{11+M5}$Quadris Opti^{0} or $^{11+\ 3}$Quadris Top^{0} (*azoxystrobin* + *chloro* or *difenoconazole*)**
- **^{11}Flint^{3}, ^{11}Cabrio^{0}, ^{11}Reason^{14} + contact ^{varies} (*trifloxystrobin*, *pyraclostrobin*, *fenamidone*)**

^{27}Curzate^{14} + contact^{14} (*cymoxanil* + *chloro*, *mz* or *copper*)

- **$^{11+27}$Tanos^{14}+ contact^{14} (*famoxadone* + *cymoxanil* + above)**
- **^{40}Revus^{14} (*mandipropamid*)**
- **$^{40+3}$Revus Top^{14} (*mandipropamid* + *difenoconazole*)**
- **$^{11+M5}$Quadris Opti^{14} or $^{11+\ 3}$Quadris Top^{14} (*azoxystrobin* + *chloro* or *difenoconazole*)**
- **^{11}Gem^{7}, ^{11}Headline^{3}, **^{11}Reason^{14} + contact ^{varies} (*trifloxystrobin*, *pyraclostrobin*, *fenamidone*)**

Contact Fungicides for LB

- **^{M5}Bravo^{0} or OLF (*chlorothalonil*)**
- **^{M3}Dithane^{5} or OLF (*mancozeb*)**
- **^{M1}Nu-Cop50WP^{0} OMRI or OLF (*cupric hydroxide*)**
- **$^{22+M3}$Gavel^{5} (*zoxamide* + *mancozeb*)**
- **^{21}Ranman^{0} + contact $^{0\ or\ 5}$(*cyazofamid* + *chloro* or *mz*)**

^{M5}Bravo^{7} or OLF (*chlorothalonil*)

- **^{M3}Dithane^{3} or OLF (*mancozeb*)**
- **^{M1}Nu-Cop50WP^{0} OMRI or OLF (*cupric hydroxide*)**
- **$^{22+M3}$Gavel^{3}(*zoxamide* + *mancozeb*)**
- **^{21}Ranman^{7} + contact ^{7}(*cyazofamid* + *chloro* or *mz*)**