

Fungicides with Targeted Activity for Late Blight (recommended used with a protectant fungicide such as chlorothalonil or mancozeb, except Gavel; listed alphabetically):

- Curzate** (FRAC Group 27). Active ingredient is cymoxanil. EPA Reg No. 352-592. 3.2-5 ounces per acre (3.2 oz/A for potatoes). 5 oz on 5-day interval when late blight present. 30 oz seasonal max. 12 h REI. 3 d PHI. Must be tank-mixed with a protectant fungicide. Curzate has some kickback activity when it is cool (maximum of about two days), but little residual activity (about five days). Most effective when plants are actively growing.
- Forum** (Group 40). Dimethomorph. EPA Reg No. 241-427. 6 fluid ounces. 30 fl oz seasonal max. 2 consecutive spray max. 12 h REI. 4 d PHI. Must be applied with another fungicide. May be applied after vine-killing and at high rate offers suppression of tuber blight. Note: new fungicide Zampro is recommended substituted for Forum in a program.
- Gavel** (Group 22). Zoxamide + mancozeb (protectant fungicide). EPA Reg No. 62719-441. 1.5-2 pounds. 16 lb or 8 application seasonal max. 48 h REI. 5 d PHI tomato; 3 d PHI for potato (14 d in some states). Latron surfactant recommended.
- Omega** (Group 29). Fluazinam. EPA Reg No. 71512-1-100. 5.5 fl oz for potatoes. 3.5 pt seasonal max. 48 h REI. 14 d PHI. Not registered in NY.
- ProPhyt, Phostrol**, or other labeled product (Group 33). Phosphorous acid. See label. Rate varies with product. 4 h REI. 0 d PHI. Labeled for use as post-harvest spray to suppress tuber blight in storage as well as to foliage during crop production.
- Presidio** (Group 43). Flupicolide. EPA Reg No. 59639-140. 3-4 fl oz for tomatoes. 12 fl oz seasonal max. 2 consecutive spray max. 12 h REI. 2 d PHI. Current label has a rotational restriction of 18-mo for non-labeled crops, which includes sweet corn.
- Previcur Flex** (Group 28). Propamocarb hydrochloride. EPA Reg No. 264-678. 0.7-1.5 pint (1.2 pt max for potatoes). 7.5 pt seasonal max for tomatoes; 6 pts for potatoes. 12 h REI. 5 d PHI for tomato; 14 d PHI for potato. Previcur Flex has some systemic activity and thus can protect stems and new growth. Most effective when plants are actively growing.
- Ranman** (Group 21). Cyazofamid. EPA Reg No. 71512-3-279. 1.4-2.75 fl oz (2.1-2.75 for tomato). 16.5 fl oz or 6 application seasonal max for tomatoes; 27.5 fl oz or 10 applications for potatoes. No more than 3 consecutive applications. 12 h REI. 0 d PHI for tomatoes; 7 d for potatoes. For tuber blight control, make the last 2-3 applications prior to desiccation on a weekly schedule, using the 2.75 fl oz rate.
- Reason** (Group 11). Fenamidone. EPA Reg No. 264-695. 5.5-8.2 fl oz. 24.6 fl oz seasonal max. 12 h REI. 14 d PHI. No consecutive applications. Not for use in Nassau or Suffolk Counties in NY.
- Revus** (Group 40). Mandipropamid. EPA Reg No. 100-1254. 5.5-8 fl oz. 2 consecutive spray max. 32 fl oz seasonal max. 12 h REI. 1 d PHI for tomato; 14 d PHI for potato. Revus has some kickback activity. Addition of a non-ionic surfactant is recommended.
- Ridomil Gold Bravo** (Group 4) or other formulation. Mefenoxam + chlorothalonil (protectant fungicide). EPA Reg No. 100-1221. ONLY recommended for sensitive pathogen strains. 2.5 pt. 48 h REI. 5 d PHI for tomato; 14 d PHI for potato. Seasonal max use for tomato (potato): 15 (11.25) lb a.i./A chlorothalonil and 0.5 (0.4) lb a.i./A foliar-applied mefenoxam.
- Zampro** (Group 40 + 45). Dimethomorph + ametocradin. EPA Reg No. 7969-302. 14 fluid ounces for tomato; 11-14 for potato. 42 fl oz seasonal max. 2 consecutive spray max. 12 h REI. 4 d PHI. Spreading/penetrating adjuvant is recommended. May be applied after vine-killing and at high rate offers suppression of tuber blight. Not registered in NY yet.