

**All other available test services at MDL (please contact us prior to sample submission)**

| Host                     | Disease                              | Pathogen  | Fungicide   | FRAC | Test Methods           |
|--------------------------|--------------------------------------|---|---|------|------------------------|
| <b>Pecan</b>             | Pecan scab                           | <i>Venturia effusa</i>  | Fentin hydroxide                                    | 30   | Conventional           |
|                          |                                      |   | Thiophanate-methyl                                  | 1    | Conventional           |
|                          |                                      |   | Dodine  | U12  | Conventional           |
|                          |                                      |   | Tebuconazole  | 3    | Conventional           |
|                          |                                      |   | Difenoconazole                                      | 3    | Conventional           |
| <b>Peanut</b>            | Early and late leaf spot             | <i>Passalora arachidicola</i> and <i>Nothopassalora personata</i> | Tebuconazole  | 3    | Conventional           |
|                          |                                      |   | Pyraclostrobin                                      | 11   | Conventional/Molecular |
| <b>Watermelon</b>        | Fusarium wilt of watermelon          | <i>Fusarium oxysporum f. sp. niveum</i>                           | Thiophanate-methyl                                  | 1    | Conventional           |
| <b>Tomato and Pepper</b> | Bacterial spot of tomato and pepper  | <i>Xanthomonas euvesicatoria</i>                                  | Copper  | M01  | Conventional           |
|                          | Southern blight of tomato and pepper | <i>Sclerotium rolfsii</i>   | Penthiopyrad  | 7    | Conventional           |
|                          | Early blight of tomato and pepper    | <i>Alternaria solani</i>  | QoI (azoxystrobin, pyraclostrobin, trifloxystrobin) | 11   | Conventional/Molecular |
|                          |                                      |   | SDHIs (fluxapyroxad, fluopyram and penthiopyrad)    | 7    | Conventional/Molecular |
| <b>Cucurbits</b>         | Gummy stem blight of Cucurbits       | <i>Stagonosporopsis spp.</i>                                      | Tebuconazole  | 3    | Conventional           |
|                          |                                      |   | Difenoconazole                                      | 3    | Conventional           |
|                          |                                      |   | Fluopyram   | 7    | Conventional           |
|                          |                                      |   | Penthiopyrad  | 7    | Conventional           |
|                          |                                      |   | Pyraclostrobin                                      | 11   | Conventional           |
|                          |                                      |   | Fluxapyroxad  | 7    | Conventional           |
|                          |                                      |   | Fludioxonil   | 12   | Conventional           |
|                          |                                      |   | Cyprodinil  | 9    | Conventional           |
|                          |                                      |   | Azoxystrobin  | 11   | Conventional/Molecular |
| <b>Onion</b>             | Center rot of onion                  | <i>Pantoea annanatis</i>  | Copper  | M01  | Conventional/Molecular |

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|                                      |                                |  |                                 |    |                        |
|--------------------------------------|--------------------------------|--|---------------------------------|----|------------------------|
| <b>Stone fruits<br/>(peach etc.)</b> | Brown rot<br>in stone<br>fruit | <i>Monilinia fructicola</i>              | Propiconazole                   | 3  | Conventional/Molecular |
|                                      |                                |  | Boscalid                        | 7  | Conventional           |
|                                      |                                |  | Strobilurins<br>(QoI)           | 11 | Conventional/Molecular |
|                                      |                                |  | Azoxystrobin<br>(QoI)           | 11 | Conventional/Molecular |
|                                      |                                |  | Propiconazole                   | 3  | Conventional/Molecular |
| <b>Grape</b>                         | Grape<br>downy<br>mildew       | <i>Plasmopara viticola</i>               | Azoxystrobin                    | 11 | Conventional/Molecular |
|                                      |                                |  | Carboxylic Acid<br>Amides (CAA) | 40 | Conventional/Molecular |
| <b>Blueberry</b>                     | Mummy<br>berry                 | <i>Monilinia vaccinii-<br/>corymbosi</i> | Tebuconazole                    | 3  | Conventional/Molecular |
|                                      |                                |  | Difenoconazole                  | 3  | Conventional/Molecular |
|                                      |                                |  | Strobilurins<br>(QoI)           | 11 | Conventional/Molecular |