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## Crops(s) Lettuce

## Disease(s) Downy mildew

Resistance management strategy for:

| Group 4 | Phenylamides (PA); |
| :--- | :--- |
| Group 28+43 | Carbamates + benzamides; |
| Group 40 | Carboxylic acid amides (CAA); |
| Group 45+40 | Quinone outside inhibitors, stigmatellin binding type (QoSI) + CAA; |
| Group 49 | Oxysterol binding protein inhibitors (OSBPI); and |
| Group 49+11 | OSBPI + quinone outside inhibitors (QoI). |

## Guidelines:

1. Applications made within the nursery count towards the total number of applications allowed per crop. It is recommended that disease control is started early and maintain a regular program using a fungicide from groups other than Group 4, 40, 45+40, 49 (or 49+11) or 28+43.
2. When conditions favour disease development, do not wait for disease to appear, but apply two consecutive sprays of a Group 4, 40, 49, 49+11 or $\mathbf{2 8 + 4 3}$ product at the interval recommended on the label. Then resume the program of sprays using an alternative fungicide group to what was just applied.
3. Do not apply more than four sprays of a Group $\mathbf{4}$ or $\mathbf{4 0}$ product per season.
4. Do not apply more than four sprays of a Group $\mathbf{4 5} \mathbf{+ 4 0}$ product per crop.
5. Apply Group $\mathbf{4 5 + 4 0}$ fungicides preventatively.
6. Group 49 including Group 49+11 fungicides should only consist of a maximum of one in every three of the total fungicide sprays per season targeting downy mildew. Do not apply more than three sprays of a Group 49 containing product including Group 49+11 sprays. Group 49+11 sprays count as both a Group 49 and a Group 11 spray.
7. Do not apply more than three sprays of a Group $\mathbf{2 8 + 4 3}$ product per crop.
8. Apply Group $\mathbf{4}$ and $\mathbf{4 9}$ (or 49+11) fungicides preventatively and only in mixtures or coformulations with a registered fungicide from a different mode of action group, with no known resistance.

## Please note:

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9. Continue alternation of fungicide modes of action between successive crops. Do not make more than (6) six total applications of a Group 49 product per year on the same area targeting the same disease.

|  | Group |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | $\mathbf{4}$ | $\mathbf{2 8 + 4 3}$ | $\mathbf{4 0 , 4 5 + 4 0}$ | $\mathbf{4 9 , 4 9 + 1 1}$ |
| Maximum number of <br> consecutive applications | 2 | 2 | 2 | 2 |
| Maximum number of <br> solo sprays | None |  |  | None of 49 |
| Maximum number of <br> sprays per crop or season <br> including nursery * | 4 | $3 \wedge$ <br> (or 1 in <br> $3)$ | 2 or 4 | $3 \wedge$ <br> (or 1 in 3) <br> 6 per year |

* Maximum application number on product label may differ. Ensure you follow the label recommendations
${ }^{\wedge}$ Not allowed in nursery situations

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