# Kumulus DF fungicide
## technology sheet

### Unique sulphur formulation for rapid and extended control of disease and mites.

- Delivers rapid control of fungal diseases and mites in a wide range of fruit crops
- Low-dust, easy-mixing sulphur formulation stays in suspension to help minimize risk of scorching
- Three distinct particle sizes deliver immediate activity, sustained release and extended residual control

**Active ingredient**
Sulphur – Group M

**Formulation**
Water dispersible granule

**One case contains**
1 x 25 kg bag

**Storage**
Store in cool, well-ventilated area away from food, feed, seed or fertilizers

**Unique Particle Size Distribution**



**Large**
(Residual control) Long-lasting, preventative effect.
>6 microns 10%



**Medium**
(Sustained release) Maximum effectiveness and ease of application.
3-6 microns 40%
2-3 microns 30%



**Small**
(Rapid activity) Rapid action, effective on contact.
<2 microns 20%

### Crops, diseases and application rates.

| Crop | Pest | Timing | Application Rates |
|---|---|---|---|
| Apples, pears | Powdery mildew | Regular spray program from green tip to first cover spray | 22.5 kg/ha (750 g/100 L) |
| | Scab | Later cover sprays | 12 to 15 kg/ha (400 to 500 g/100 L)[1] |
| | Apple rust mites | Summer sprays | 6 kg/ha (200 g/100L) |
| Grapes (Not for use on Concord, Foch, de Chaunac and Van Buren varieties.) | Powdery mildew | First sign of mildew and repeat after 10 days | 12.6 kg/ha (420 g/100 L) |
| | Grape erineum mites | Pre-bloom and repeat mid-season; start immediately after first sign of erinea on leaves | 3.4 kg/ha |
| Nectarines, peaches | Brown rot, leaf spot, scab | Pink, bloom, shuck, cover and pre-harvest sprays; before and between pickings if weather is wet | 22.5 kg/ha (750 g/100 L) |
| | Powdery mildew | Husk-fall and repeat on a 10 to 14-day interval | 11.3 to 12 kg/ha (375 to 400 g/100 L) |
| Peas | Powdery mildew | First sign of disease then on a 7 to 10-day interval | 1.5 kg/ha[2] |
| Plums | Brown rot, leaf spot | Pink, bloom, shuck, cover and pre-harvest sprays; before and between pickings if weather is wet | 22.5 kg/ha (750 g/100 L) |
| Saskatoon berries | Entomosporium berry spot, entomosporium leaf spot | First at bud break then on a 10 to 14-day interval | 7.5 kg/ha[2] |
| Sour cherries | Brown rot | Bloom stage only | 22.5 kg/ha (750 g/100 L) |
| | Powdery mildew | First, second and third cover sprays | 12 kg/ha (400 g/100 L) |
| | Rust mites | Summer sprays | 6 kg/ha (200 g/100 L) |
| Sweet cherries | Brown rot | Regular spray program from bloom until just before harvest | 22.5 kg/ha (750 g/100 L) |

See label for additional crops.

[1] Adjust rate depending on mildew severity and temperature.
[2] Minimum water volume of 100 L/ha for peas and Saskatoon berries.

BASF
We create chemistry

# Kumulus® DF

Fungicide

## Water volume

| | |
|---|---|
| Ground application only | Up to 3000 L/ha |

## Mixing order

1. Ensure the spray tank is clean before use.
2. Fill the tank full of water.
3. Add the required amount of Kumulus DF to the tank.
4. Start agitation and continue until spraying is completed.
5. After use, clean the spray tank according to label precautions.

If tank mixes are used, ensure that each product is pre-diluted first and added separately to the spray tank in the correct order. Do not mix with dinitro compounds, tetradifon or oils.

## Application tips

**Restricted entry interval** – 24 hours.

**Resistance management** – Do not apply more than eight (8) applications of Kumulus DF per season.

## Pre-harvest interval

1 day for apples, nectarines, peaches, pears, peas, Saskatoon berries, sour cherries, sweet cherries and table grapes.

21 days for wine grapes.

## Tank mixes

None on label.

Contact **AgSolutions**® Customer Care or your BASF Sales Representative for information on supported tank mixes.

## For more information

Call **AgSolutions** Customer Care at 1-877-371-BASF (2273) or visit **agsolutions.ca/horticulture**

**Always read and follow label directions.**

**AgSolutions** and KUMULUS are registered trademarks of BASF, used under license by BASF Canada Inc.
KUMULUS DF fungicide should be used in a preventative disease control program. © 2023 BASF Canada Inc.