

# CARIAL® FLEX COMBINES TWO LATE BLIGHT ACTIVE FUNGICIDES FOR STRONG PROTECTIVE AND CURATIVE CONTROL WITH EXCELLENT RAINFASTNESS

- Potato Late Blight (*Phytophthora infestans*) is a devastating disease that has a massive impact on both yield and quality
- Using IPM practices and fungicides, like CARIAL® Flex, is necessary to reduce the disease's impact

## APPLICATION GUIDANCE

**While CAA resistant strains have not been confirmed in the UK via the Fight Against Blight (FAB) programme:**

- Apply CARIAL® Flex preferably in a preventive manner.
- The co-formulation of these two actives helps to reduce the selection pressure of resistant strains.
- Apply CARIAL® Flex always at recommended dose rates.
- Preferably alternate use of CARIAL® Flex with actives that are not in FRAC Group 40. However, do not apply more than **2 consecutive applications** or any other CAA containing fungicide.

**Once CAA resistant strains are confirmed in UK via FAB, CARIAL® Flex must be:**

Mixed with another active effective against late blight.

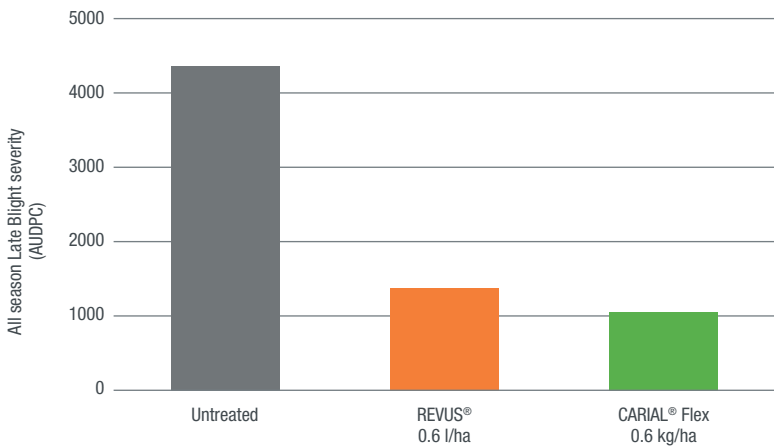
- **OR** strictly alternated with actives that are not in FRAC Group 40.



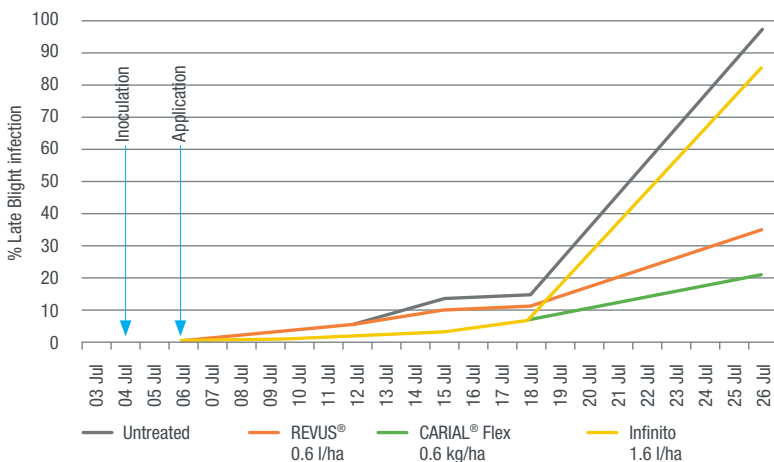
## EUROBLIGHT FUNGICIDE TABLE

| PRODUCT            | CARIAL® Flex              | REVUS®        | Ranman Top | Infinito                   | Manzate  |
|--------------------|---------------------------|---------------|------------|----------------------------|----------|
| LEAF BLIGHT RATING | 4.4                       | 4.0           | 3.8        | 3.8                        | 2.0      |
| PROTECTANT         | ● ● ●                     | ● ● ●         | ● ● ●      | ● ● ●                      | ● ●      |
| CURATIVE           | ● ●                       | ●             |            | ● ●                        |          |
| RAINFESTNESS       | ● ● ●                     | ● ● ●         | ● ● ●      | ● ● ●                      | ● ●      |
| ACTIVE INGREDIENTS | mandipropamid + cymoxanil | mandipropamid | cyazofamid | Propamocarb + fluopicolide | mancozeb |

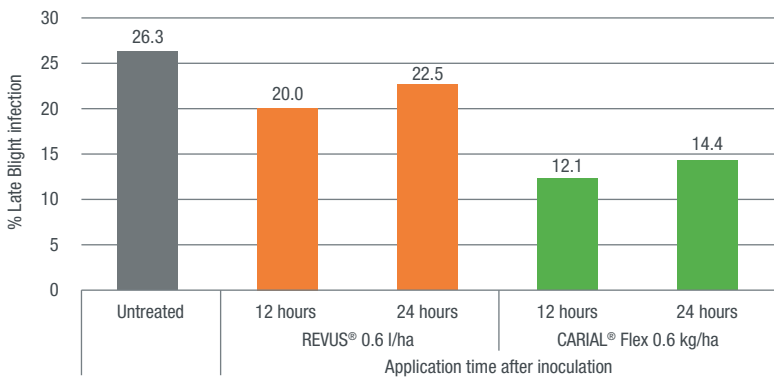
## IMPROVED LATE BLIGHT CONTROL WITH CARIAL® FLEX TRIAL RESULTS 2019



### 1 APPLICATION 36HRS AFTER INOCULATION



### CURATIVE BENEFIT OF CARIAL® FLEX ASSESSMENT 7 DAYS AFTER INOCULATION



- Curative benefit of CARIAL® Flex demonstrates improved late blight control over REVUS®

**Variety:** Fontane  
**Blight strains:** EU\_13\_A2, EU\_36\_A2 & EU\_37\_A2  
**Planting year:** 2021  
**Location:** Netherlands

- Both REVUS® & CARIAL® Flex demonstrated significant control of late blight
- The combination of cymoxanil with mandipropamid achieves a significant level of control over straight mandipropamid

**Variety:** Melody  
**Blight strains inoculated:** EU\_6\_A1, EU\_13\_A2 & EU\_37\_A2  
**Planting date:** 22 May 2019  
**Location:** Derbyshire, UK  
 Both treatments applied at 11 times

- CARIAL® Flex gives robust kick-back activity on late blight
- CARIAL® Flex outperformed Infinito

**Blight strains inoculated:** EU\_13  
**Planting date:** 2011  
**Location:** Netherlands

## CARIAL® FLEX SUMMARY ON POTATOES

**Active:** mandipropamid 250g/l + cymoxanil 180g/l

**Formulation:** Water dispersible granule (WG)

**Maximum individual dose:** 0.6 kg/ha

**Maximum no. of treatments:** 6 per crop

**Rain-fastness:** 15 minutes

**Latest time of application:** 7 days before harvest

### Comments:

- Can be used on all varieties, including seed crops
- Excellent product that can be used at any time in the late blight programme
- The drift retardants Crusade, Sterling, LOK-IT and Vigilant are supported with the use of CARIAL® Flex

