



**PROLINE**<sup>TM</sup>

# Bloom stage guide



Bayer CropScience

To accurately identify the bloom stage of your crop, follow these steps:

1. Find the main stem
2. Pull off the secondary branches
3. Count only the open flowers on the main stem including aborted flowers and newly formed pods
4. Sample several plants across the field





# Application timing recommendations



The goal when applying Proline™ fungicide is to protect as many canola flower petals as possible, prior to significant petal drop. The optimum timing is between 20% and 30% bloom.

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## Application information

**RATE:** 315 mL/ha (127 mL/ac)  
1 jug treats 40 acres

**WATER VOLUME:**

- **GROUND:** 200 L/ha (20 gal/ac)

**PACKAGING:** 2 X 5.1 L jugs

**RAINFAST:** 2 hours

**FORMULATION:** Prothioconazole  
480 g/L SC (liquid)

10%  
bloom

~10 open flowers on the main stem





10%  
bloom

## What to scout for:

- ~10 open flowers on the main stem (include aborted flowers and developing pods)
- Generally, it takes a crop from two to four days to move from first flower to 10% bloom
- Canola flowering varies by season and variety or hybrid
- Scout frequently to ensure proper protection of the most open flowers

To accurately identify the bloom stage of your crop, refer to the front of this guide.

20%  
bloom

~14-16 open flowers on the main stem





20%  
bloom

*Optimal time to apply Proline*

## **What to scout for:**

- ~14-16 open flowers on the main stem (include aborted flowers and developing pods)
- Minimal petal drop has occurred at this stage

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30%  
bloom

~20 open flowers on the main stem





30%  
bloom

*Optimal time to apply Proline*

## What to scout for:

- ~20 open flowers on the main stem (include aborted flowers and developing pods)
- Reached at approximately six to eight days after the start of flowering
- After 30% bloom, petal drop and pod set begin

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50%  
bloom

>20 open flowers on the main stem





50%  
bloom

## What to scout for:

- >20 open flowers on the main stem (include aborted flowers and developing pods)
- Canola stem has elongated
- Waiting to spray at this stage is not recommended because the optimal application timing has passed
- Infection may have begun

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