

# Extreme Weather is Tough on Corn

## Fungicides Can Help



### 3 Key Stressors



Hail Damage



Strong Winds



Dry Weather

### Hail Damage

Each year, hail damage to corn in the U.S. results in significant yield loss.



**\$52M**  
Estimated yield loss<sup>1</sup>

#### Defoliation

Damage to photosynthetic tissues hinders growth.

#### Disease Susceptibility

Hail damage can weaken resistance to disease.



#### Promote Crop Health

Fungicides can improve tissue regeneration and combat fungal pathogens while the plant recovers from damage.

### Strong Winds

Corn lodged after V17 can suffer catastrophic yield reduction.



**31%** yield reduction<sup>2</sup>

#### Green Snap

Strong winds can break young corn stalks.

#### Root Lodging

Mature corn plants can be uprooted by extreme wind.

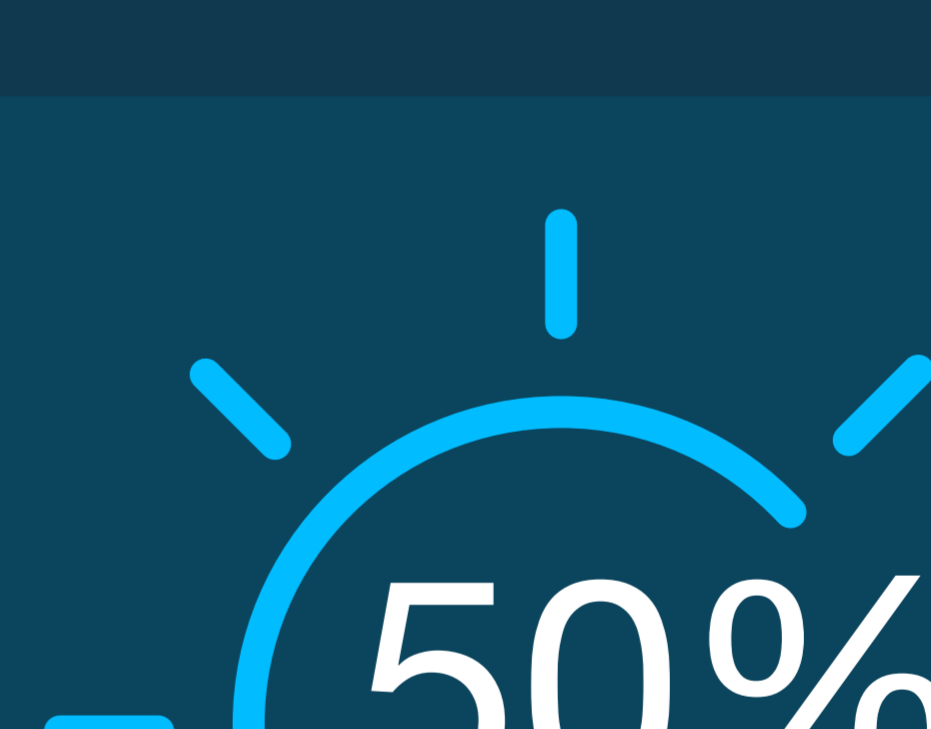


#### Promote Crop Strength

Fungicides can improve nutrient flow throughout the plant for stronger, wind-resistant stalks and roots.

### Dry Weather

Limited rainfall during the season lowers yields. Moisture stress at silking alone can rob up to half of your yield.



**50%** yield loss<sup>3</sup>

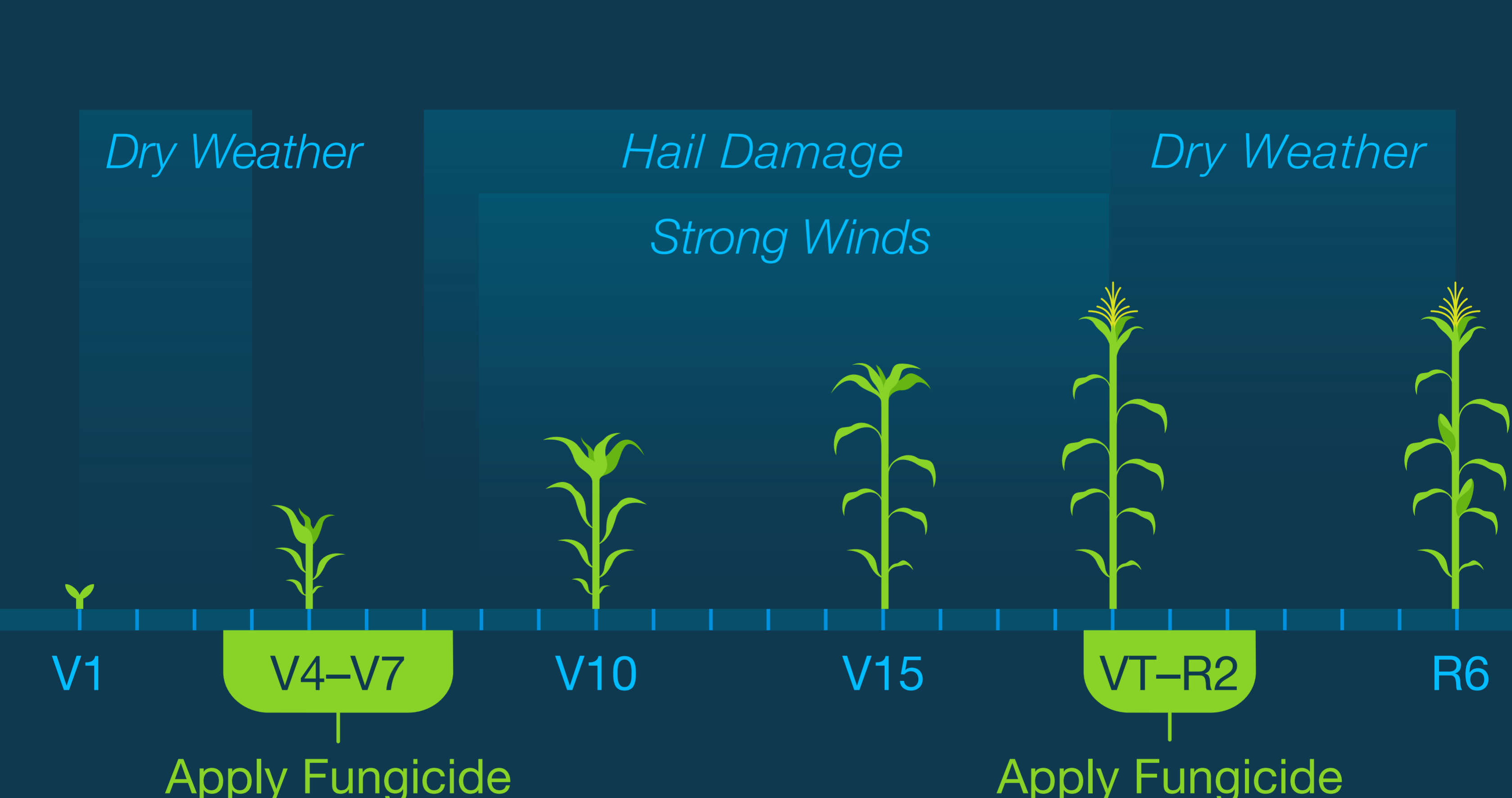


#### Promote Water Efficiency

Fungicides can help regulate water use during dangerous dry spells.

### High Vulnerability Timeline

Apply fungicides like Delaro® or Stratego YLD® in the early season or at-tassel for the best effect.



### Fungicide Solutions From Bayer



1. Vorst, James V. "Assessing Hail Damage in Corn." Purdue University. National Corn Handbook. <https://www.extension.purdue.edu/extmedia/NCH/NCH-1.html>  
2. Thelen, Marilyn. "Evaluating wind-damaged crops – Part 3." Michigan State University Extension, 2017. [http://msue.anr.msu.edu/news/evaluating\\_wind\\_damaged\\_crops](http://msue.anr.msu.edu/news/evaluating_wind_damaged_crops)  
3. "Hot, Dry Weather Impacts Corn Pollination." Ohio State University. Corn & Soybean Digest, 2012. <http://www.cornandsoybeandigest.com/corn/hot-dry-weather-impacts-corn-pollination>