

Soil-borne

# Clubroot of Cabbage and Cauliflower

ورم الجذر الصولجاني (القرنبيط والملفوف)



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A soil-borne disease that swells the roots of cabbage and cauliflower so they cannot absorb water and nutrients, and the plant wilts. Its resting spores stay in the soil for many years, so prevention before planting is the key.

**Crops:** Cabbage, cauliflower and broccoli

**Source:** Soil and infected seedlings

**Favored by:** Acidic, wet soil

## How to spot it and deal with it

**1**

### **Symptoms**

Wilting in the heat despite irrigation, yellowing leaves and stunted growth. A pulled plant shows swollen, distorted, club-shaped roots.

**2**

### **Cause**

A microscopic soil organism (*Plasmodiophora brassicae*) enters the roots and forms galls that block water uptake.

**3**

### **Spread**

Contaminated soil and water, infected seedlings, and tools and machinery that carry soil between fields.

**4**

### **Prevention**

Healthy seedlings, a long rotation with non-brassica crops, better drainage, liming acidic soil, cleaning tools, and a resistant variety.

**Never move seedlings or soil from an infested field to a clean one.**

## Our resistant varieties



### **Sultana F1**

Intermediate resistance (IR)

Find the right variety for this disease on our products page  
[seedtech-sd.com/our-products](https://seedtech-sd.com/our-products)



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### **Facing this disease on your farm?**

Send a photo of the symptoms on WhatsApp and our agronomists will help you diagnose it and choose the right variety.

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