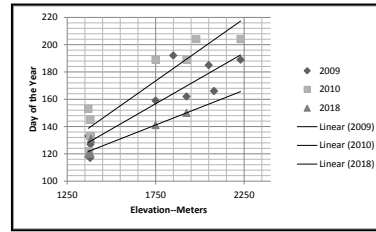


**Life in the Slow Lane, *Dicentra uniflora* (Papaveraceae): Can a Slow-Growing Ephemeral Geophyte Help Monitor Global Warming? H. E. Mackey, Jr.**

**Carpenter Ridge Warm Spring**

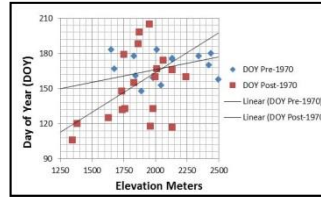


**Carpenter Ridge Cold Spring**



**Shift of 20-30 Days Warm versus Cold Spring**

**Shift of 30 Days at Lower Elevations  
Pre-1970 versus Post-1970  
Northern California**



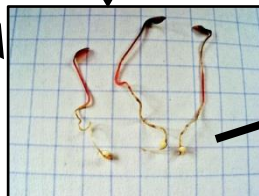
**Mature Fruit**

**Seed Plantings**

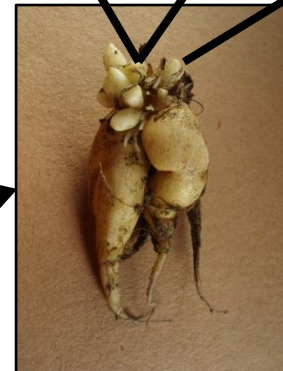


**Bulblet Plantings**

**First Year  
1mm Miniature  
Bulblets from  
Seeds**



**8-10 years  
???**



**8-10 years  
???**



**Second  
Year Bulblets  
and  
Small Tubers**