

## Date of Full Bloom for Pear Varieties in Lafayette, Indiana, 1963

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Lafayette, Indiana

The beginning and duration of full bloom were recorded in April 1963, for varieties in the pear collection at the Horticultural Farm of Purdue University, Lafayette, Indiana. These dates, shown in Table 1, present the interval between 95 percent full bloom and petal fall. Full bloom was considered the period when approximately 70 percent of the blossoms were open. Full bloom for Bartlett occurred from April 24-28. The data indicates that the period of bloom for many of these varieties coincided with Bartlett, and, consequently, might be satisfactory pollinators for Bartlett. However, pollen compatibility was not evaluated.

The duration of bloom varied among varieties. The shortest period was two days, while two varieties bloomed over an 11 day interval. Theoretically, varieties with a longer period of bloom would probably have more flowers pollenized and set more fruit. Likewise, varieties susceptible to fire blight and having longer duration of bloom would require more protection against blossom blight infection.

Table 1 includes the daily maximum and minimum temperature during full bloom. The data indicates that the variation in length of full bloom for the different varieties is not only a response to temperature fluctuations, but is also a variety characteristic.

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**TABLE 1.** Days during month of April during which pear varieties under test bloomed at Lafayette, Indiana, in 1963.

Variety*	Days in April												
	18	19	20	21	22	23	24	25	26	27	28	29	
Dabney	X	X	X	X									
Dymond	X	X	X	X									
Carrick	X	X	X	X	X								
Chapin	X	X	X	X	X								
Ayres	X	X	X	X	X	X							
Marie Louise	X	X	X	X	X	X	X						
Alexander Lucas	X	X	X	X	X	X	X	X	X	X			
Laxton's Superb	X	X	X	X	X	X	X	X	X	X			
King Karl		X	X	X									
Josephine de Malines			X	X	X	X							
Beurre Superfin			X	X	X	X	X						
Gorham			X	X	X	X	X						
Flemish Beauty			X	X	X	X	X	X					
Seckel			X	X	X	X	X	X					
Finsib			X	X	X	X	X	X	X				
Howell				X	X	X	X						

\*Varieties listed in order of beginning of full bloom

Variety*	Days in April											
	18	19	20	21	22	23	24	25	26	27	28	29
Thompson's				X	X	X	X					
Duchesse				X	X	X	X	X				
Bosc				X	X	X	X	X	X			
Mooers				X	X	X	X	X	X			
California Pound					X	X	X					
Campas					X	X	X					
Fondante de Thirriot					X	X	X					
Max-Red Bartlett					X	X	X					
Passe Crassane					X	X	X					
President Barabe					X	X	X					
Early Seckel					X	X	X	X	X			
Lemon					X	X	X	X	X			
Magness					X	X	X	X	X			
Dana Hovey					X	X	X	X	X	X		
Glou Morceau					X	X	X	X	X	X		
Sodak					X	X	X	X	X	X		
Vermont Beauty					X	X	X	X	X	X		
Compte de Lamy					X	X	X	X	X	X	X	
Congress Pomologique						X	X	X				
Doyenne Borselot						X	X	X				
Ewart						X	X	X				
Conference						X	X	X	X			
Dawn						X	X	X	X			
NY 7620						X	X	X	X			
Beierschmitt						X	X	X	X	X		
Giant Seckel						X	X	X	X	X		
Hoskins						X	X	X	X	X		
Jeanne d' Are						X	X	X	X	X		
Fertility							X	X	X	X		
Starking Delicious (Maxine)							X	X	X	X		
Bartlett							X	X	X	X	X	
Comice							X	X	X	X	X	
Old Home							X	X	X	X	X	
Clapps Favorite							X	X	X	X	X	X
Beurre Benoit								X	X			
Beurrie de Mort								X	X	X		
Louis Pasteur								X	X	X		
Moonglow									X	X		
NY 4885									X	X		
Temperature °F												
Maximum	81	72	69	67	65	54	44	52	60	66	70	73
Minimum	44	48	42	45	38	36	31	35	38	43	51	57

### Annual Meeting of American Pomological Society, December, 1963

The 1963 meeting of the American Pomological Society was held in Jackson, Tennessee, Dec. 11 and 12, together with the Tennessee Horticultural Society. Highlights of the business meeting are as follows:

*Paul Howe Shepard Awards* were given to J. P. Overcash, of Mississippi State College, for his article, "Heat and Chilling Requirements for Plum

Blossoming in Mississippi," in F. V. H. D., Vol. 17(2); and to G. M. Weaver, Dominion Research Station, Harrow, Ontario, for "Influence of Rootstock on Susceptibility of Peach to Peach Canker," in F. V. H. D., Vol. 17(3).

*John Bregger Awards* were established. These are cash awards, totaling \$50, which will go to college students each year for outstanding papers on subjects dealing with fruit varieties or breeding presented at the annual meeting of the Society. The awards