

PEACH FRUIT BUD SURVIVAL AT PRINCETON, KENTUCKY**After 8 Degrees Below Zero on November 25, 1950****By W. D. ARMSTRONG****Western Kentucky Agricultural Experiment Substation
University of Kentucky**

Weeks before or after Elberta	Variety and Number	Flesh Color & Type Seed*	Percent live buds
6 Before	1. Dixired	Y.—Cling.	32
5 "	2. Erly-Red-Fre	W.—Free.	21
5 "	3. Marigold	Y.—Semi.	50
5 "	4. Starking Delicious	Y.—Free.	27
4½ "	5. Jerseyland	Y.—Free.	29
4½ "	6. Prairie Dawn (K-73)	Y.—Free.	69
4 "	7. Raritan Rose	W.—Free.	59
"	8. Prairie Sunrise (K-74)	Y.—Free.	60
4 "	9. Fisher	Y.—Free.	31
4 "	10. Early Triogem	Y.—Free.	28
4 "	11. Redhaven	Y.—Free.	21
3½ "	12. Cumberland	W.—Free.	34
3½ "	13. Golden Jubilee	Y.—Free.	44
3½ "	14. Prairie Daybreak (K-69)	Y.—Free.	13
3	15. Triogem	Y.—Free.	43
3	16. Newday	Y.—Free.	21
3	17. Fair Beauty	Y.—Semi.	28
3	18. South Haven No. 20	Y.—Free.	9
	19. Fairhaven	Y.—Free.	9
	20. F.V. 9-93	Y.—Free.	31
3	21. K-56	W.—Free.	5
2½	22. Nectar	W.—Free.	33
2½	23. Vedette	Y.—Free.	17
2½	24. Golden Beauty	Y.—Free.	43
2½	25. Alton	W.—Semi.	53
2½	26. Prairie Rose (K-80)	Y.—Free.	18
2½	27. Southland	Y.—Free.	00
2½ "	28. Fireglow	Y.—Free.	27
2 "	29. Viceroy	Y.—Semi.	44
2 "	30. Sunhigh	Y.—Free.	50
2 "	31. Mamie Ross	W.—Semi.	79
2	32. Dr. Burton	W.—Semi.	57
2	33. Bar-Don	W.—Semi.	8
2	34. Gold Aflame	Y.—Free.	68
2	35. Eclipse	Y.—Free.	64
2	36. July Elberta	Y.—Free.	19
2	37. Halehaven	Y.—Free.	29
2	38. South Haven	Y.—Free.	51
2	39. Prairie Schooner (K-40)	Y.—Free.	9
2	40. July Heath	W.—Cling.	31

*Flesh Color: Y—Yellow, W—White

Weeks before or after Elberta	Variety and Number	Flesh Color & Type Seed*	Percent live buds
2 Before	41. Ideal	Y.—Free.	68
2 "	42. Ambergem	Y.—Cling.	68
1½ "	43. Hiley	W.—Free.	50
1½ "	44. Goldeneast	Y.—Free.	16
1½ "	45. Redrose	W.—Free.	31
1 "	46. Veteran	Y.—Free.	41
1 "	47. Kalhaven	Y.—Free.	45
1 "	48. Sullivan Early Elberta	Y.—Free.	7
1 "	49. Summercrest	Y.—Free.	53
1 "	50. K-111	W.—Free.	41
½ "	51. Prairie Clipper (K-47)	Y.—Free.	19
½ "	52. Georgia Belle	W.—Free.	70
½ "	53. Elberta (Early?) (Snyder)	Y.—Free.	39
With Elberta	54. Short	Y.—Free.	46
With "	55. Elberta	Y.—Free.	12
With "	56. Redskin	Y.—Free.	41
With "	57. Tena	Y.—Free.	13
With "	58. Halegold	Y.—Free.	
½ After	59. Gage	Y.—Free.	6
½ "	60. Shippers Late Red	Y.—Free.	5
½ "	61. Prairie Rambler (K-43)	Y.—Free.	
½ "	62. Golden Gem	Y.—Free.	10
1 "	63. White Hale	W.—Free.	70
1 "	64. Afterglow	Y.—Free.	39
1½ "	65. Laterose	W.—Free.	59
2 "	66. Lizzie	Y.—Free.	33
2 "	67. Barbara	Y.—Free.	50

*Flesh Color: Y—Yellow, W—White

The percent of live buds on each of the above listed varieties was determined in early December, 1950, by cutting open at least 100 buds of each variety in plantings at the Western Kentucky Agricultural Experiment Substation.

Subsequently, in early February, 1951, temperatures of -16 degrees to -18 degrees F. killed the remaining live buds on most varieties.

Twenty-three varieties flowered in late March and early April, 1951,

with many flowers on Cumberland, Alton, Mamie Ross (most bloom), Dr. Burton, South Haven, Veteran and Raritan Rose. Summercrest and Triogem were next best, and moderate bloom was noted also, on Marigold, Viceroy, Barbara, Georgia Belle, Ambergem, July Heath, Redskin and Prairie Dawn (last two, young trees). Halehaven, Hiley, Nectar, Erly-Red-Fre, Sunhigh and Vedette had few flowers. A few other varieties had only an occasional flower.