

Kentucky Agricultural Statistics Service
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Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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Released weekly April through November

September 17, 2001

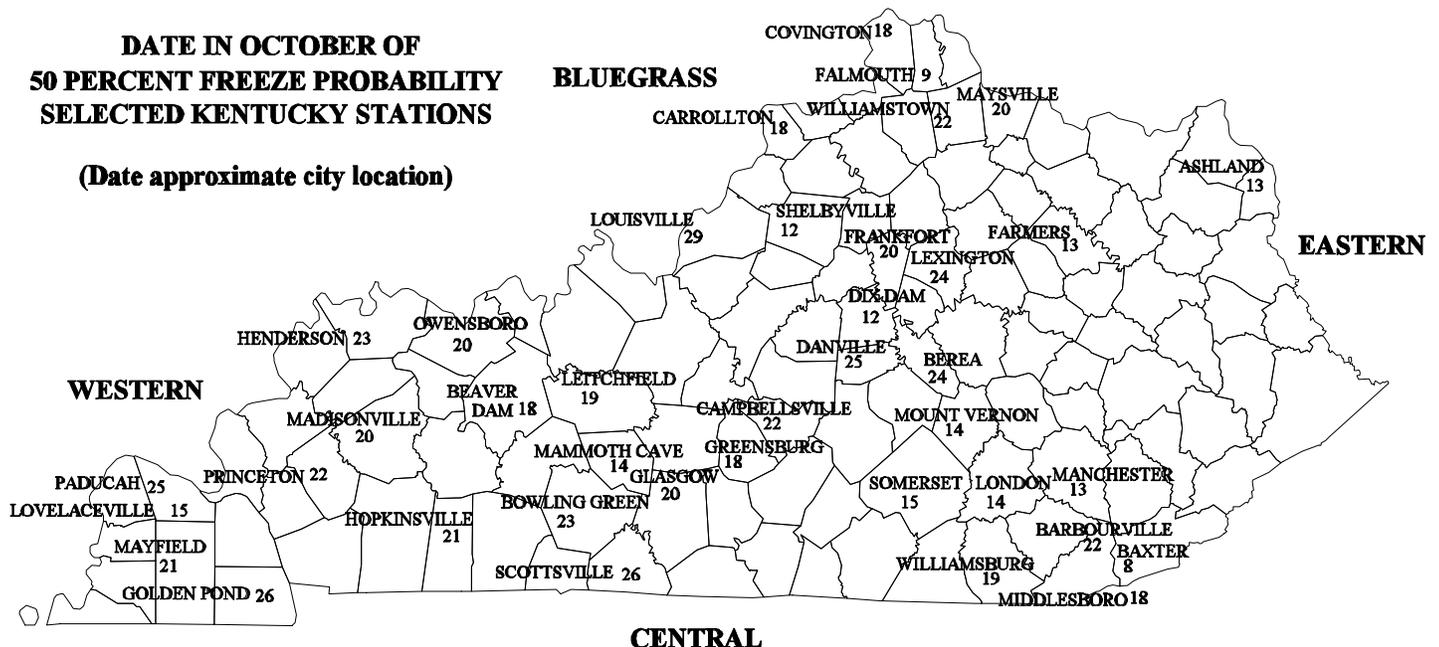
FREEZE PROBABILITIES

KENTUCKY FREEZE RISK: Many Kentucky farmers have harvested the majority of their crops due to an early planting season and favorable summer growing conditions. As cooler mornings and shorter daylight hours signal the rapidly approaching end of the growing season; producers begin to ponder the likelihood of an early frost and possible freeze damage to the remaining late maturing crops. Many crops are already harvested, leaving only late planted double crop soybeans and a small amount of tobacco vulnerable to an early freeze.

The freeze probability table on the following page shows earliest freezes usually occur the latter part of September or the first week in October; however, freezing temperatures have been recorded as early as September 7 at Eastern Division cities. In most of Kentucky the probability rises to 50 percent chance of 32° or lower temperatures between October 15 and October 25. The freeze data in the table are based on temperatures in a standard U.S. National Weather Service thermometer shelter at a height of approximately 5 feet above the ground and/or in local areas subject to air drainage. These data are based on 1961-90 data. The freeze probability dates in the map shown below are 30-year averages from 1961 thru 1990.

DATE IN OCTOBER OF 50 PERCENT FREEZE PROBABILITY SELECTED KENTUCKY STATIONS

(Date approximate city location)

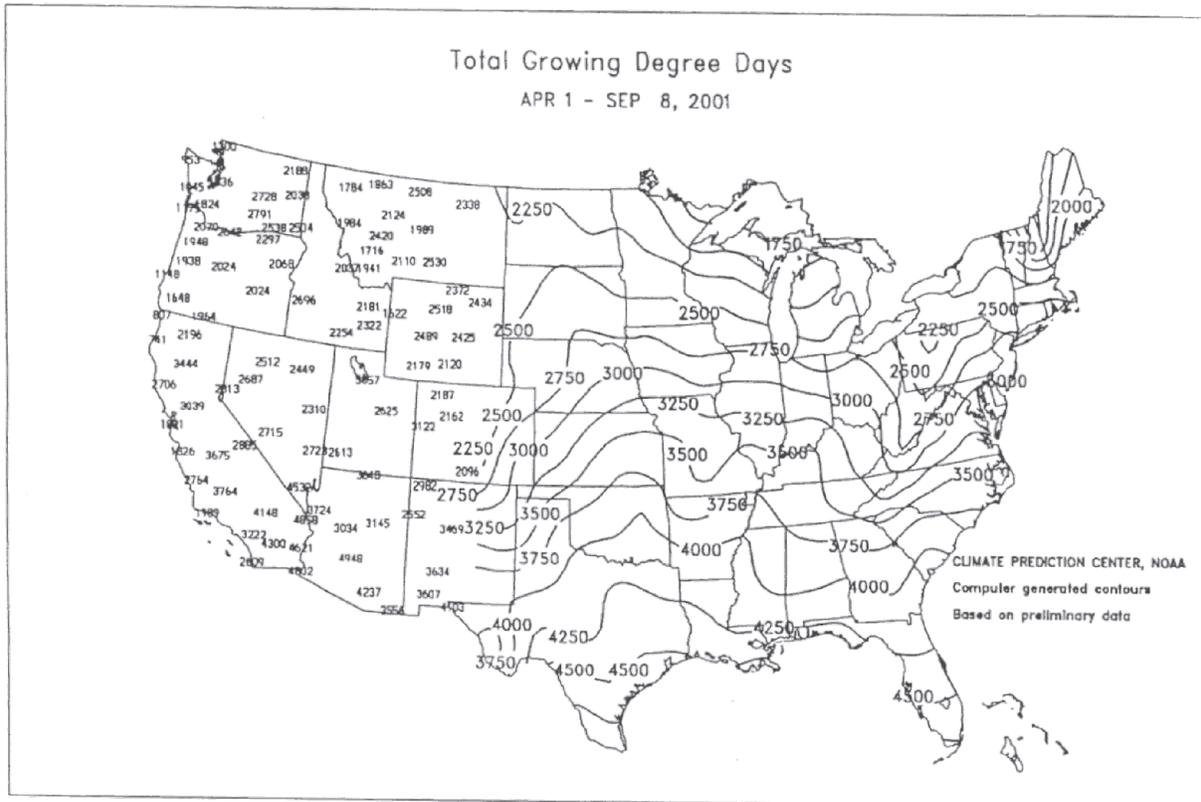
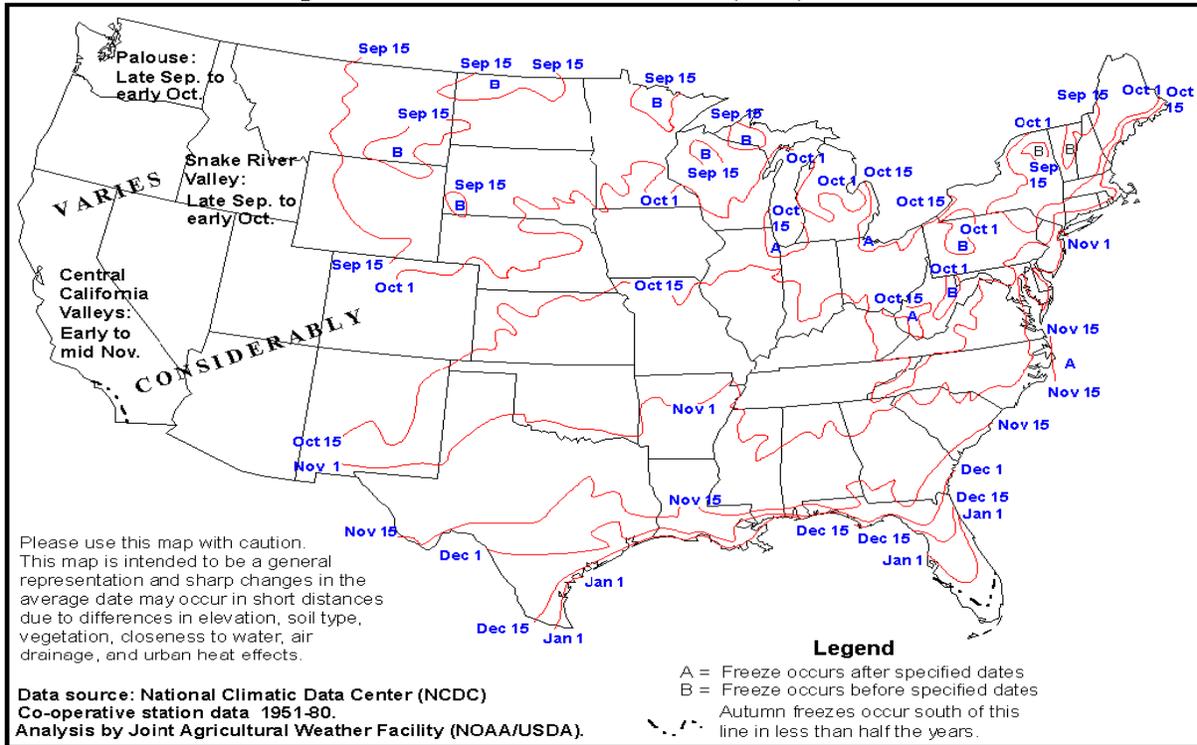


**PROBABILITY OF 32° OR LOWER TEMPERATURES
ON OR BEFORE INDICATED DATES IN FALL**

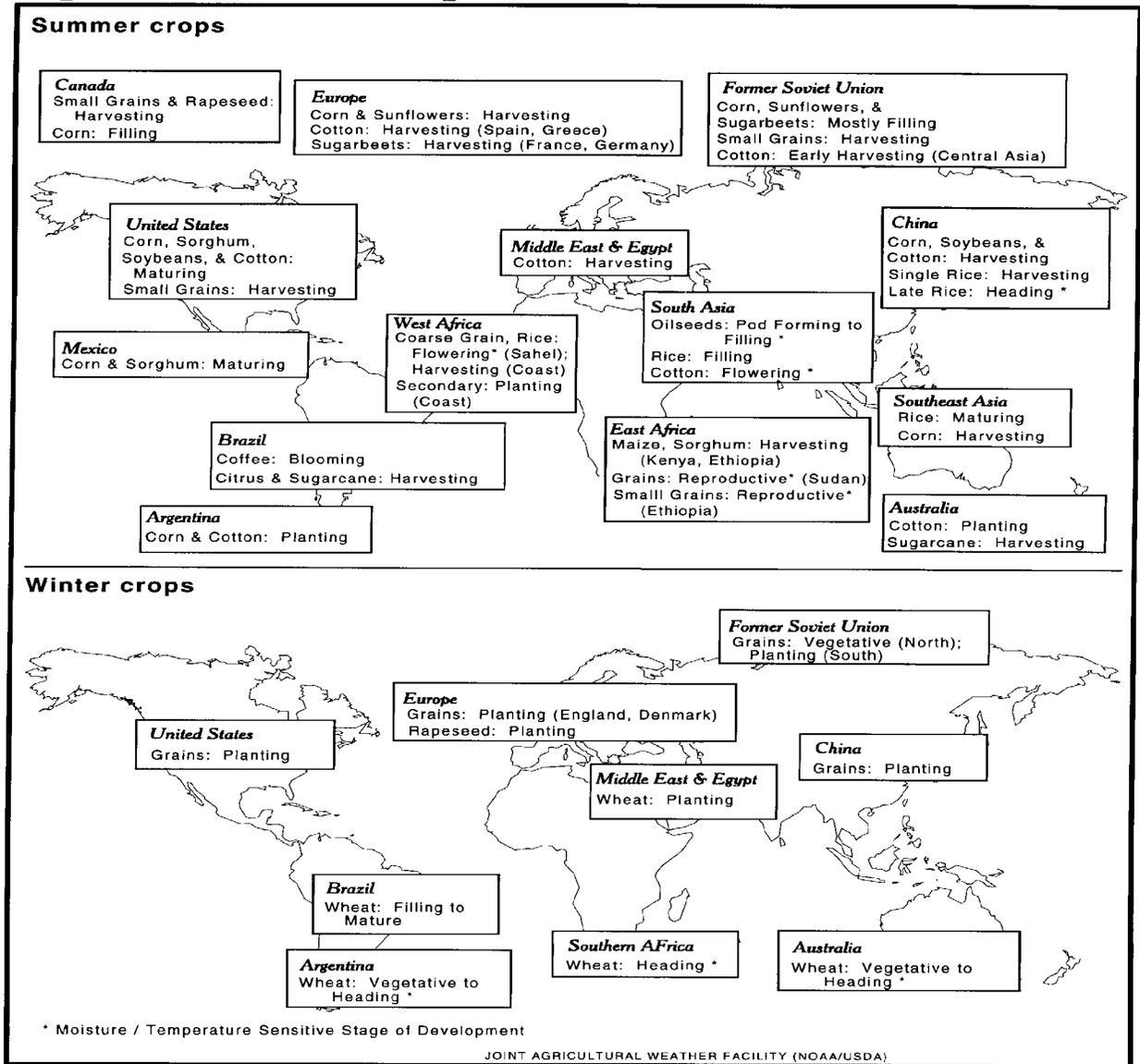
<u>Division and Station</u>	Earliest	10%	50%	90%	Latest
WESTERN DIVISION					
Beaver Dam	Sept. 25	Oct. 1	Oct. 18	Nov. 4	Nov. 12
Golden Pond	Sept. 30	Oct. 9	Oct. 26	Nov. 12	Nov. 16
Henderson	Oct. 3	Oct. 6	Oct. 23	Nov. 9	Nov. 21
Hopkinsville	Sept. 22	Oct. 4	Oct. 21	Nov. 7	Nov. 13
Lovellsville	Sept. 22	Oct. 2	Oct. 15	Oct. 28	Nov. 4
Madisonville	Oct. 3	Oct. 6	Oct. 20	Nov. 3	Nov. 12
Mayfield	Oct. 3	Oct. 7	Oct. 21	Nov. 4	Nov. 13
Owensboro	Oct. 3	Oct. 5	Oct. 20	Nov. 4	Nov. 14
Paducah	Oct. 3	Oct. 10	Oct. 25	Nov. 9	Nov. 13
Princeton	Oct. 3	Oct. 7	Oct. 22	Nov. 6	Nov. 14
CENTRAL DIVISION					
Bowling Green	Oct. 3	Oct. 8	Oct. 23	Nov. 7	Nov. 14
Campbellsville	Oct. 3	Oct. 7	Oct. 22	Nov. 6	Nov. 14
Glasgow	Oct. 3	Oct. 5	Oct. 20	Nov. 4	Nov. 14
Greensburg	Sept. 25	Oct. 3	Oct. 18	Nov. 2	Nov. 11
Leitchfield	Oct. 3	Oct. 6	Oct. 19	Nov. 1	Nov. 8
Louisville	Oct. 3	Oct. 14	Oct. 29	Nov. 13	Nov. 25
Mammoth Cave	Sept. 24	Sept. 30	Oct. 14	Oct. 28	Nov. 8
Scottsville	Oct. 6	Oct. 11	Oct. 26	Nov. 10	Nov. 21
BLUEGRASS DIVISION					
Berea College	Sept. 24	Oct. 5	Oct. 24	Nov. 12	Nov. 21
Carrollton	Oct. 3	Oct. 5	Oct. 18	Oct. 31	Nov. 8
Covington	Oct. 2	Oct. 5	Oct. 18	Oct. 31	Nov. 8
Danville	Oct. 3	Oct. 11	Oct. 25	Nov. 8	Nov. 20
Dix Dam	Sept. 27	Oct. 3	Oct. 12	Nov. 11	Nov. 21
Falmouth	Sept. 8	Sept. 21	Oct. 9	Oct. 27	Nov. 8
Farmers	Sept. 21	Sept. 29	Oct. 13	Oct. 27	Nov. 8
Frankfort	Oct. 3	Oct. 6	Oct. 20	Nov. 3	Nov. 13
Lexington	Oct. 2	Oct. 10	Oct. 24	Nov. 7	Nov. 14
Maysville	Oct. 3	Oct. 7	Oct. 20	Nov. 2	Nov. 8
Shelbyville	Sept. 22	Sept. 27	Oct. 12	Oct. 27	Nov. 14
Williamstown	Oct. 2	Oct. 9	Oct. 22	Nov. 4	Nov. 10
EASTERN DIVISION					
Ashland	Sept. 7	Sept. 25	Oct. 13	Oct. 31	Nov. 4
Barbourville	Oct. 2	Oct. 8	Oct. 22	Nov. 5	Nov. 13
Baxter	Sept. 22	Oct. 3	Oct. 8	Nov. 5	Nov. 13
London	Sept. 24	Sept. 30	Oct. 14	Oct. 28	Nov. 13
Manchester	Sept. 7	Sept. 25	Oct. 13	Oct. 31	Nov. 8
Middlesboro	Sept. 30	Oct. 4	Oct. 18	Nov. 1	Nov. 14
Mount Vernon	Oct. 2	Oct. 2	Oct. 14	Oct. 26	Nov. 4
Somerset	Oct. 2	Oct. 2	Oct. 15	Oct. 28	Nov. 5
Williamsburg	Sept. 25	Oct. 5	Oct. 19	Nov. 2	Nov. 13

Leland E. Brown
State Statistician

United States: Average dates of first autumn freeze (32 F)



September normal crop calendar



This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, send an E-Mail message to nass-state-releases@news.usda.gov with the following command in the body of the message: **subscribe ky-crop-weather** <e-mail address>. The E-Mail address is optional; leave the address blank unless subscribing for someone else. The default address is where you sent the message from. You would unsubscribe in a similar way but use the word unsubscribe.

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