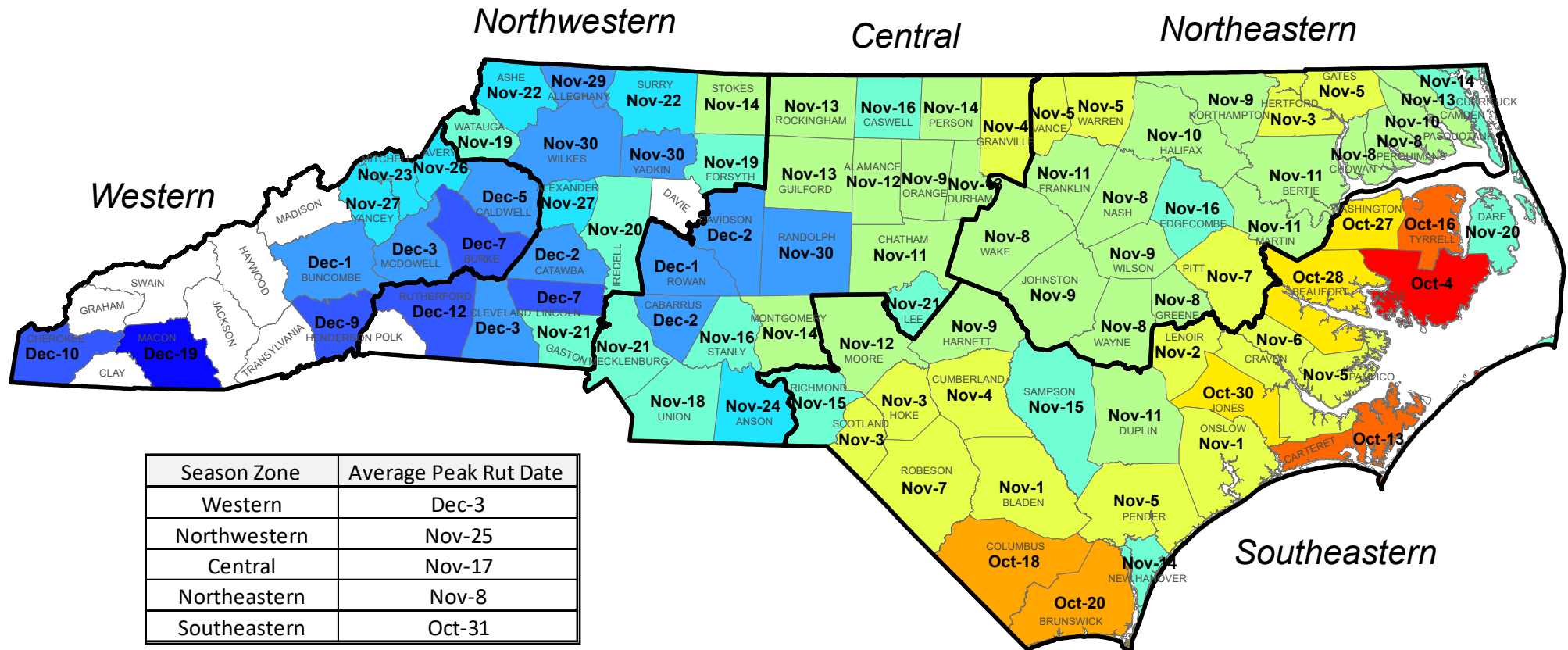


Estimated Peak Rut Dates

Updated 2021



Peak rut dates are estimated for each county based on reproductive data collected by biologists from various sources, including roadkill and late season hunter harvested does. The accuracy/precision of the estimated peak rut date for any given county can be influenced by the number of samples collected, and typically there is less confidence in estimates that are based on few samples (see page 2 for county sample sizes). Within any given area, there is considerable variation in the timing of rut activity, and some does are bred before peak rut while others are bred well after peak rut. Little variation exists in peak breeding activity from one year to the next within a given area as doe estrus cycles are triggered by shortening day length during the fall, rather than weather events, including moon phase.

Number of reproductive samples collected through May 2021. Additional samples are needed in some counties to increase precision/accuracy of estimated peak rut dates.

COUNTY	SAMPLES
ALAMANCE	12
ALEXANDER	5
ALLEGHANY	7
ANSON	12
ASHE	8
AVERY	18
BEAUFORT	8
BERTIE	18
BLADEN	11
BRUNSWICK	26
BUNCOMBE	11
BURKE	42
CABARRUS	6
CALDWELL	15
CAMDEN	5
CARTERET	24
CASWELL	5
CATAWBA	15
CHATHAM	12
CHEROKEE	11
CHOWAN	12
CLAY	0
CLEVELAND	5
COLUMBUS	18
CRAVEN	26
CUMBERLAND	6
CURRITUCK	6
DARE	7
DAVIDSON	15
DAVIE	3
DUPLIN	10
DURHAM	6
EDGECOMBE	8
FORSYTH	5

COUNTY	SAMPLES
FRANKLIN	12
GASTON	16
GATES	25
GRAHAM	0
GRANVILLE	5
GREENE	15
GUILFORD	19
HALIFAX	6
HARNETT	9
HAYWOOD	2
HENDERSON	9
HERTFORD	15
HOKE	7
HYDE	269
IREDELL	11
JACKSON	2
JOHNSTON	6
JONES	12
LEE	8
LENOIR	7
LINCOLN	11
MACON	11
MADISON	4
MARTIN	6
MCDOWELL	14
MECKLENBURG	7
MITCHELL	16
MONTGOMERY	91
MOORE	21
NASH	8
NEW HANOVER	6
NORTHAMPTON	10
ONslow	61
ORANGE	7

COUNTY	SAMPLES
PAMLICO	10
PASQUOTANK	7
PENDER	17
PERQUIMANS	15
PERSON	9
PITT	18
POLK	3
RANDOLPH	11
RICHMOND	24
ROBESON	18
ROCKINGHAM	20
ROWAN	10
RUTHERFORD	12
SAMPSON	7
SCOTLAND	5
STANLY	37
STOKES	46
SURRY	20
SWAIN	1
TRANSYLVANIA	2
TYRRELL	6
UNION	9
VANCE	6
WAKE	21
WARREN	8
WASHINGTON	10
WATAUGA	10
WAYNE	11
WILKES	24
WILSON	11
YADKIN	8
YANCEY	15
TOTAL	1,557