

Thank you for choosing the 2010 Outdoor Outlook deer activity forecast calendar. Unlike other lunar prediction calendars, this calendar is based entirely upon whitetail hunting only. Other lunar game activity calendars are based upon fishing results. This calendar was created from a five year study which resulted in over 19,000 deer sightings in 4,500 days of hunting. Each of these sightings were catalogued by time of day and moon phase/age. This enormous wealth of information has been used to rank dates and times based upon the hunter success in seeing deer activity (and the number of deer observed) during each time period. Each date/time is ranked from lowest activity to highest activity. These rankings fall into one of five color-codes which can be used to quickly evaluate the probability of deer activity during any given time and date.














Outdoor Outlook has produced two calendars from this research, the “relative” calendar and the “overall” calendar. The “relative” calendar compares mornings to mornings, midday to midday and afternoon to afternoon. For example, with the relative calendar, you can determine the most productive midday hunts when compared to other midday hunts. The “overall” calendar shows the best times to hunt regardless if it is am (before 10am), noon (10am to 2pm) or pm (after 2pm). If you are looking for the most productive times of the month, regardless of what time of day, use the “overall” calendar.

The P&Y portion of this calendar is based on a statistical survey of over 33,000 trophy bucks reported to the Pope and Young Club ( [www.pope-young.org](http://www.pope-young.org) ) over approximately 40 years. The moon age/phase has been calculated for each trophy and the totals for each lunar day have been tabulated. The relative strength of each lunar day determines the color code added to the calendar. In some instances, particular lunar dates created 40% more trophy bucks than other lunar dates. In other words, on particular lunar dates, you are 40% more likely to get a mature buck than on other dates. Please note that the colors are added based on Lunar age and not the calendar date.

Three calendars have been created from the P&Y survey. These three calendars represent three sub-species of whitetail that cover the majority of the whitetail’s range. Notably, each sub-species showed different influence to the moon. These calendars are : the Southeast Calendar - *O.v. Virginianus* (Kentucky, West Virginia, Virginia, Tennessee, North Carolina, South Carolina, Georgia, Mississippi and Alabama), the Northeast Calendar - *O.v. Borealis* (Ontario, Quebec, Eastern Minnesota, Wisconsin, Illinois, Michigan, Indiana, Ohio, Pennsylvania, Maryland, New Jersey and all states further to the north), and the Midwest Calendar - *O.v. Texanus* and *O.v. Macrourus* ( Arkansas, Colorado, Iowa, Kansas, Louisiana, Missouri, Nebraska New Mexico, Oklahoma, Texas and Wyoming).

## How to use this calendar

Many changes have been made to the 2010 Calendar compared to previous versions. Most notably, all of our calendars have been combined into one easy-to-use calendar. The chart below shows the changes and features of our new calendar format.

Date		Day	Sunrise	Sunset	Moon Rise	Moon set	Overhead	Underfoot	am	noon	pm		am	noon	pm	SE	NE	MW
9/1/2010		Wed	651	1946	2354	1423	635	1909	Yellow	Red	Yellow		Orange	Yellow	Red	Green	Green	Yellow
9/2/2010		Thu	652	1945		1520	737	2007	Green	Orange	Green		Yellow	Green	Yellow	Green	Green	Orange
9/3/2010		Fri	653	1943	53	1613	833	2107	Green	Red	Green		Yellow	Yellow	Orange	Yellow	Orange	Red
9/4/2010		Sat	654	1942	200	1659	930	2206	Green	Orange	Green		Yellow	Green	Red	Red	Red	Red
9/5/2010		Sun	654	1940	313	1740	1027	2304	Green	Orange	Green		Green	Green	Red	Orange	Orange	Yellow
9/6/2010		Mon	655	1939	428	1816	1122	-	Green	Orange	Green		Yellow	Green	Yellow	Orange	Orange	Green
9/7/2010		Tue	656	1938	544	1849	1217	2400	Green	Orange	Green		Yellow	Green	Yellow	Orange	Orange	Yellow
9/8/2010		Wed	657	1936	700	1921	1311	54	Yellow	Red	Green		Orange	Orange	Yellow	Yellow	Red	Red
9/9/2010		Thu	657	1935	816	1953	1405	149	Green	Red	Green		Green	Yellow	Orange	Yellow	Red	Red
9/10/2010		Fri	658	1933	931	2027	1459	242	Green	Red	Green		Yellow	Yellow	Orange	Orange	Orange	Red
9/11/2010		Sat	659	1932	1044	2105	1555	336	Green	Orange	Green		Yellow	Green	Yellow	Red	Orange	Yellow
9/12/2010		Sun	700	1930	1155	2148	1652	430	Yellow	Red	Green		Red	Yellow	Orange	Red	Yellow	Green
9/13/2010		Mon	701	1929	1302	2236	1749	525	Yellow	Red	Green		Red	Orange	Green	Orange	Green	Green

You can see we changed the traditional calendar orientation and made some changes. We have added the days of the week and the moon rise/set times. Also, we have highlighted these moon times that occur within one hour before or after sunrise or sunset. Traditional lunar calendars show moon rise/set/overhead or underfoot as “peak” activity times. In addition, those calendars depict stronger “peak” times when these moon properties occur close to sunrise or sunset. Though my research does not show any correlation between these events, I have included them here for reference.

The sun and moon times are listed as Daylight Savings Time until November 6, 2010 and standard time from November 7 until the end of January. These times are based on the center of your time zone. If you are on the eastern edge of your time zone you should subtract approximately 30 minutes from the times shown. Similarly, if you are on the western edge of your time zone you should add 30 minutes from the times shown.

If you have any questions regarding the use of this calendar you can contact me as Johnnie at [www.TheNcOutdoors.com](http://www.TheNcOutdoors.com)

# September 2010

Date	Phase	Day	Sun		Moon				Overall Activity			Relative Activity			P&Y Trophies		
			Sunrise	Sunset	Moon Rise	Moon set	Overhead	Underfoot	am	noon	pm	am	noon	pm	SE	NE	MW
9/1/2010		Wed	651	1946	2354	1423	635	1909	Yellow	Red	Yellow	Orange	Yellow	Red	Green	Green	Yellow
9/2/2010		Thu	652	1945		1520	737	2007	Yellow	Orange	Green	Yellow	Green	Yellow	Green	Green	Orange
9/3/2010		Fri	653	1943	53	1613	833	2107	Green	Red	Green	Yellow	Green	Red	Orange	Red	Red
9/4/2010		Sat	654	1942	200	1659	930	2206	Green	Red	Green	Yellow	Green	Red	Orange	Red	Red
9/5/2010		Sun	654	1940	313	1740	1027	2304	Green	Orange	Green	Yellow	Green	Red	Orange	Red	Yellow
9/6/2010		Mon	655	1939	428	1816	1122	-	Green	Orange	Green	Yellow	Green	Yellow	Orange	Orange	Green
9/7/2010		Tue	656	1938	544	1849	1217	2400	Yellow	Red	Green	Yellow	Green	Yellow	Orange	Red	Yellow
9/8/2010		Wed	657	1936	700	1921	1311	54	Yellow	Red	Green	Yellow	Green	Yellow	Red	Red	Red
9/9/2010		Thu	657	1935	816	1953	1405	149	Green	Red	Green	Yellow	Green	Orange	Yellow	Red	Green
9/10/2010		Fri	658	1933	931	2027	1459	242	Green	Red	Green	Yellow	Green	Orange	Orange	Red	Red
9/11/2010		Sat	659	1932	1044	2105	1555	336	Yellow	Red	Green	Yellow	Green	Yellow	Red	Yellow	Yellow
9/12/2010		Sun	700	1930	1155	2148	1652	430	Yellow	Red	Green	Yellow	Green	Red	Yellow	Green	Green
9/13/2010		Mon	701	1929	1302	2236	1749	525	Yellow	Red	Green	Yellow	Green	Red	Orange	Green	Green
9/14/2010		Tue	701	1927	1402	2329	1846	619	Yellow	Red	Green	Yellow	Green	Orange	Red	Yellow	Green
9/15/2010		Wed	702	1926	1454		1940	712	Green	Red	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
9/16/2010		Thu	703	1924	1538	26	2032	802	Green	Orange	Green	Yellow	Green	Yellow	Green	Yellow	Yellow
9/17/2010		Fri	704	1923	1615	125	2120	850	Green	Red	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
9/18/2010		Sat	704	1921	1647	225	2206	936	Green	Red	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
9/19/2010		Sun	705	1920	1715	324	2249	1020	Green	Red	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
9/20/2010		Mon	706	1918	1741	422	2331	1102	Yellow	Red	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
9/21/2010		Tue	707	1917	1805	520	-	1143	Yellow	Red	Green	Yellow	Green	Red	Green	Green	Yellow
9/22/2010		Wed	707	1915	1829	617	11	1223	Green	Red	Green	Yellow	Green	Yellow	Orange	Yellow	Green
9/23/2010		Thu	708	1914	1854	714	52	1304	Green	Red	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow
9/24/2010		Fri	709	1912	1920	813	134	1347	Green	Orange	Green	Yellow	Green	Yellow	Yellow	Orange	Red
9/25/2010		Sat	710	1911	1950	912	216	1431	Green	Red	Green	Yellow	Green	Yellow	Yellow	Orange	Orange
9/26/2010		Sun	711	1909	2023	1013	302	1518	Green	Red	Green	Yellow	Green	Orange	Yellow	Green	Orange
9/27/2010		Mon	711	1908	2103	1115	349	1609	Yellow	Red	Green	Yellow	Green	Red	Yellow	Green	Red
9/28/2010		Tue	712	1907	2150	1215	439	1703	Yellow	Red	Green	Yellow	Green	Red	Yellow	Yellow	Yellow
9/29/2010		Wed	713	1905	2245	1313	532	1759	Yellow	Red	Green	Yellow	Green	Orange	Yellow	Yellow	Yellow
9/30/2010		Thu	714	1904	2347	1405	625	1856	Yellow	Red	Green	Yellow	Green	Orange	Green	Yellow	Yellow






Worst Best

# October 2010

Date	Phase	Day	Sun		Moon				Overall Activity			Relative Activity			P&Y Trophies			
			Sunrise	Sunset	Moon Rise	Moon set	Overhead	Underfoot	am	noon	pm	am	noon	pm	SE	NE	MW	
10/1/2010		Fri	715	1902		1453	720	1954										
10/2/2010		Sat	715	1901	55	1534	815	2051										
10/3/2010		Sun	716	1859	207	1611	909	2146										
10/4/2010		Mon	717	1858	320	1644	1002	2239										
10/5/2010		Tue	718	1856	434	1716	1055	2332										
10/6/2010		Wed	719	1855	548	1748	1148	-										
10/7/2010		Thu	720	1854	703	1821	1242	26										
10/8/2010		Fri	720	1852	818	1858	1338	120										
10/9/2010		Sat	721	1851	932	1939	1436	215										
10/10/2010		Sun	722	1849	1043	2026	1535	311										
10/11/2010		Mon	723	1848	1147	2119	1633	407										
10/12/2010		Tue	724	1847	1244	2216	1730	502										
10/13/2010		Wed	725	1845	1333	2316	1825	555										
10/14/2010		Thu	726	1844	1413		1915	645										
10/15/2010		Fri	726	1843	1448	16	2002	732										
10/16/2010		Sat	727	1841	1517	116	2046	817										
10/17/2010		Sun	728	1840	1544	215	2129	860										
10/18/2010		Mon	729	1839	1609	313	2210	941										
10/19/2010		Tue	730	1838	1633	410	2250	1022										
10/20/2010		Wed	731	1836	1657	507	2331	1102										
10/21/2010		Thu	732	1835	1723	605	-	1144										
10/22/2010		Fri	733	1834	1752	704	14	1228										
10/23/2010		Sat	734	1833	1825	805	59	1315										
10/24/2010		Sun	735	1832	1903	907	146	1405										
10/25/2010		Mon	736	1830	1949	1009	236	1459										
10/26/2010		Tue	737	1829	2041	1108	329	1555										
10/27/2010		Wed	738	1828	2141	1202	422	1652										
10/28/2010		Thu	738	1827	2247	1250	516	1749										
10/29/2010		Fri	739	1826	2355	1332	610	1844										
10/30/2010		Sat	740	1825		1409	702	1937										
10/31/2010		Sun	741	1824	105	1443	754	2030										








Worst  Best

# November 2010

Date	Phase	Day	Sun		Moon				Overall Activity			Relative Activity			P&Y Trophies			
			Sunrise	Sunset	Moon Rise	Moon set	Overhead	Underfoot	am	noon	pm	am	noon	pm	SE	NE	MW	
11/1/2010		Mon	742	1823	216	1514	845	2121										
11/2/2010		Tue	743	1822	327	1545	936	2212										
11/3/2010		Wed	744	1821	439	1616	1028	2305										
11/4/2010		Thu	745	1820	553	1651	1122	2359										
11/5/2010		Fri	746	1819	706	1729	1218	-										
11/6/2010		Sat	747	1818	819	1814	1317	54										
11/7/2010		Sun	648	1717	827	1805	1316	121										
11/8/2010		Mon	649	1716	929	1901	1415	147										
11/9/2010		Tue	650	1716	1023	2002	1513	242										
11/10/2010		Wed	651	1715	1108	2103	1606	335										
11/11/2010		Thu	652	1714	1145	2205	1655	424										
11/12/2010		Fri	653	1713	1217	2305	1741	511										
11/13/2010		Sat	654	1713	1245	2305	1824	555										
11/14/2010		Sun	655	1712	1311	3	1906	637										
11/15/2010		Mon	656	1711	1335	100	1946	718										
11/16/2010		Tue	657	1711	1359	157	2027	758										
11/17/2010		Wed	658	1710	1425	255	2109	840										
11/18/2010		Thu	659	1709	1452	353	2153	923										
11/19/2010		Fri	700	1709	1524	454	2240	1009										
11/20/2010		Sat	701	1708	1601	556	2330	1059										
11/21/2010		Sun	702	1708	1644	659	-	1152										
11/22/2010		Mon	703	1707	1735	800	22	1248										
11/23/2010		Tue	704	1707	1834	856	116	1345										
11/24/2010		Wed	705	1707	1939	947	211	1443										
11/25/2010		Thu	706	1706	2048	1032	306	1540										
11/26/2010		Fri	707	1706	2157	1111	360	1634										
11/27/2010		Sat	708	1706	2307	1145	451	1726										
11/28/2010		Sun	709	1705		1216	542	1816										
11/29/2010		Mon	710	1705	16	1246	631	1906										
11/30/2010		Tue	711	1705	126	1316	721	1956										








Worst
 
Best

# December 2010

Date	Phase	Day	Sun		Moon				Overall Activity			Relative Activity			P&Y Trophies			
			Sunrise	Sunset	Moon Rise	Moon set	Overhead	Underfoot	am	noon	pm	am	noon	pm	SE	NE	MW	
12/1/2010		Wed	712	1705	236	1348	812	2048										
12/2/2010		Thu	713	1705	347	1424	906	2141										
12/3/2010		Fri	714	1705	458	1505	1002	2237										
12/4/2010		Sat	715	1705	608	1552	1100	2332										
12/5/2010		Sun	715	1705	712	1646	1159	-										
12/6/2010		Mon	716	1705	810	1745	1258	28										
12/7/2010		Tue	717	1705	859	1847	1353	122										
12/8/2010		Wed	718	1705	940	1950	1445	214										
12/9/2010		Thu	719	1705	1015	2051	1533	303										
12/10/2010		Fri	719	1705	1045	2151	1618	348										
12/11/2010		Sat	720	1705	1112	2249	1701	432										
12/12/2010		Sun	721	1705	1137	2346	1742	513										
12/13/2010		Mon	722	1706	1201		1822	554										
12/14/2010		Tue	722	1706	1225	43	1903	634										
12/15/2010		Wed	723	1706	1252	140	1946	716										
12/16/2010		Thu	724	1707	1321	240	2031	801										
12/17/2010		Fri	724	1707	1355	341	2119	848										
12/18/2010		Sat	725	1707	1436	443	2211	940										
12/19/2010		Sun	725	1708	1524	545	2305	1035										
12/20/2010		Mon	726	1708	1621	645	-	1133										
12/21/2010		Tue	726	1709	1725	739	0	1232										
12/22/2010		Wed	727	1709	1834	828	57	1331										
12/23/2010		Thu	727	1710	1946	910	152	1428										
12/24/2010		Fri	728	1710	2057	946	246	1522										
12/25/2010		Sat	728	1711	2208	1019	338	1614										
12/26/2010		Sun	729	1712	2318	1049	429	1704										
12/27/2010		Mon	729	1712		1119	519	1754										
12/28/2010		Tue	729	1713	28	1150	609	1844										
12/29/2010		Wed	729	1714	137	1224	701	1936										
12/30/2010		Thu	730	1714	247	1302	755	2029										
12/31/2010		Fri	730	1715	355	1346	851	2123										

Worst  Best

# January 2011

Date	Phase	Day	Sun		Moon				Overall Activity			Relative Activity			P&Y Trophies			
			Sunrise	Sunset	Moon Rise	Moon set	Overhead	Underfoot	am	noon	pm	am	noon	pm	SE	NE	MW	
1/1/2011		Sat	730	1716	500	1436	948	2218										
1/2/2011		Sun	730	1717	559	1532	1046	2312										
1/3/2011		Mon	730	1718	651	1632	1142	2404										
1/4/2011		Tue	730	1718	736	1735	1236	-										
1/5/2011		Wed	731	1719	813	1837	1325	54										
1/6/2011		Thu	731	1720	845	1938	1412	141										
1/7/2011		Fri	731	1721	913	2037	1455	226										
1/8/2011		Sat	730	1722	939	2134	1537	308										
1/9/2011		Sun	730	1723	1003	2231	1617	349										
1/10/2011		Mon	730	1724	1027	2328	1658	429										
1/11/2011		Tue	730	1725	1053		1740	511										
1/12/2011		Wed	730	1726	1120	26	1823	553										
1/13/2011		Thu	730	1727	1151	125	1909	638										
1/14/2011		Fri	730	1728	1228	226	1958	727										
1/15/2011		Sat	729	1729	1312	327	2050	820										
1/16/2011		Sun	729	1730	1404	428	2145	916										
1/17/2011		Mon	729	1731	1504	525	2241	1015										
1/18/2011		Tue	728	1732	1612	617	2337	1115										
1/19/2011		Wed	728	1733	1724	702	-	1213										
1/20/2011		Thu	727	1734	1838	742	33	1310										
1/21/2011		Fri	727	1735	1952	818	128	1405										
1/22/2011		Sat	726	1736	2105	850	221	1458										
1/23/2011		Sun	726	1737	2217	921	313	1549										
1/24/2011		Mon	725	1738	2328	953	405	1641										
1/25/2011		Tue	725	1739		1026	457	1733										
1/26/2011		Wed	724	1740	39	1103	551	1825										
1/27/2011		Thu	723	1741	147	1145	646	1919										
1/28/2011		Fri	723	1742	253	1232	743	2013										
1/29/2011		Sat	722	1743	353	1325	839	2106										
1/30/2011		Sun	721	1744	447	1423	935	2158										
1/31/2011		Mon	721	1745	533	1524	1029	2254										

Worst Best