

	Spring Arrival Dates 2005 Waterbirds											
Species	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8	Region 9	Region 10	Average	19-Yr. Ave
American Bittern	10 Apr	6 Apr	14 Apr	1 May	17 Apr	16 Apr	10 Apr	15 Apr	20 Mar	7 Apr	11 Apr	16 Apr
Green Heron	19 Apr	30 Mar	7 Apr	16 Apr	23 Apr	28 Apr	12 May	16 Apr	20 Apr	7 Apr	17 Apr	23 Apr
Wood Duck	18 Mar	7 Mar	10 Mar	20 Mar	12 Mar	12 Mar	7 Apr	27 Mar	5 Apr		20 Mar	13 Mar
Green-winged Teal	7 Mar	7 Mar	13 Mar	16 Mar	1 Apr	9 Mar	6 Apr	1 Apr			19 Mar	19 Mar
Northern Pintail	12 Mar	7 Feb	28 Feb	16 Feb	12 Mar	9 Mar	5 Apr	6 Mar			5 Mar	7 Mar
Blue-winged Teal	20 Mar	19 Mar	26 Mar		30 Mar	17 Apr	10 Apr	6 Mar	27 Mar		27 Mar	30 Mar
Osprey	28 Mar	31 Mar	28 Mar	7 Apr	27 Mar	11 Apr	3 Apr	8 Apr	20 Mar	12 Mar	29 Mar	28 Mar
Virginia Rail	10 Apr	19 Apr	8 Apr	9 Apr	10 Apr	9 May	23 Apr	17 Apr	9 Apr		16 Apr	19 Apr
Sora	10 Apr	17 Apr	23 Apr	8 May	27 Apr	25 May	1 May	7 Apr	6 May	14 May	28 Apr	29 Apr
Common Moorhen	10 Apr	24 Apr	19 Apr	10 Apr	20 Apr	2 May	23 May	21 Mar	6 May		21 Apr	27 Apr
Black-bellied Plover	27 May	31 May	18 May		9 May		21 May		19 May		20 May	11 May
Semipalmated Plover	8 May	10 May	13 May	14 May	6 May		11 May	21 May		24 Apr	9 May	11 May
Killdeer	16 Mar	7 Mar	7 Mar	18 Mar	19 Mar	24 Mar	24 Mar	14 Mar	17 Mar		16 Mar	5 Mar
Greater Yellowlegs	30 Mar	31 Mar	5 Apr	8 Apr	2 Apr	4 May	2 May	16 Apr	27 Mar		10 Apr	8 Apr
Lesser Yellowlegs	10 Apr	9 Apr	9 Apr	9 Apr	18 Mar	4 May	9 May	14 May	29 Apr	9 Apr	17 Apr	19 Apr
Solitary Sandpiper	28 Apr	27 Apr	15 Apr		18 Apr	8 May	30 Apr	3 May	1 May	22 Apr	26 Apr	27 Apr
Spotted Sandpiper	18 Apr	27 Apr	16 Apr	29 Apr	21 Apr	5 May	7 May	29 Apr	7 Apr	7 Apr	22 Apr	24 Apr
Sanderling					1 Jun						1 Jun	17 May
Semipalmated Sandpiper	15 May	14 May	16 May	14 May	21 May	24 May	29 May		27 May	6 May	18 May	14 May
Least Sandpiper	14 May	2 Apr	13 May	17 May	4 May	23 May	14 May	14 May	29 Apr	25 Apr	6 May	5 May
Pectoral Sandpiper	10 Apr	31 Mar	9 Apr	18 May	10 Apr	15 Apr			3 May	14 May	21 Apr	21 Apr
Wilson's Snipe	31 Mar	31 Mar	23 Mar	27 Mar	1 Apr	19 Apr	1 Apr	11 Mar		9 Mar	27 Mar	24 Mar
American Woodcock	21 Mar	18 Mar	17 Mar	20 Mar	18 Mar	29 Mar	22 Mar	19 Mar	17 Feb		17 Mar	11 Mar
Caspian Tern	6 Apr	7 Apr	10 Apr	15 May	8 Apr		1 May			24 Apr	18 Apr	22 Apr
Common Tern	9 Apr	22 Apr	22 Apr	15 May	23 Apr	2 Apr	9 May			29 Apr	23 Apr	27 Apr
Black Tern	29 Apr	1 May	23 Apr	29 May	30 Apr	7 May	2 May		1 May	26 May	6 May	7 May
Marsh Wren	30 Apr	7 May	9 Apr	9 Apr	29 Apr		9 May	14 May	9 May		29 Apr	1 May
Dates in bold type are record early arrivals for the Region.												

Spring Arrival Dates 2005 Landbirds												
Species	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8	Region 9	Region 10	Average	19-Yr. Ave
Black-billed Cuckoo	11 May	14 May	10 May	11 May	11 May	13 May	15 May	14 May	23 Apr	2 May	9 May	12 May
Common Nighthawk	18 May	10 May	15 May	10 May	15 May		18 Apr	14 May	12 May	8 Apr	6 May	11 May
Chimney Swift	19 Apr	20 Apr	20 Apr	2 May	18 Apr	1 May	6 May	3 May	1 May	18 Apr	25 Apr	25 Apr
Ruby-thr Hummingbird	8 May	9 May	5 May	6 May	6 May	13 May	4 May	28 Apr	11 May	27 Apr	5 May	4 May
Yellow-bellied Sapsucker	1 Apr	31 Mar	12 Mar	31 Mar	9 Apr	13 Apr	21 Mar				30 Mar	4 Apr
Olive-sided Flycatcher	1 Jun	2 Jun	16 May		21 May		20 May	29 May	16 May	15 May	22 May	18 May
Eastern Wood-Pewee	14 May	10 May	10 May	16 May	7 May	18 May	21 May	14 May	9 May	5 May	12 May	9 May
Alder Flycatcher	15 May	21 May	15 May	18 May	18 May	25 May	15 May	21 May	18 May		18 May	17 May
Willow Flycatcher	15 May	14 May	14 May	18 May	11 May	29 May	31 May	14 May	12 May	14 May	17 May	16 May
Least Flycatcher	6 May	6 May	6 May	29 Apr	5 May	17 May	9 May	6 May	10 May	22 Apr	5 May	2 May
Eastern Phoebe	20 Mar	24 May	13 Mar	31 Mar	31 Mar	2 Apr	3 Apr	30 Mar	22 Mar	18 Mar	31 Mar	22 Mar
Gr. Crested Flycatcher	3 May	8 May	28 Apr	11 May	6 May	8 May	11 May	28 Apr	1 May	30 Apr	4 May	1 May
Eastern Kingbird	30 Apr	7 May	3 May	3 May	1 May	12 May	7 May	10 May	30 Apr	21 Apr	3 May	28 Apr
Purple Martin	8 Apr	31 Mar	21 Apr		15 Apr	7 May	26 Apr	10 May	17 Apr	1 Apr	18 Apr	17 Apr
Tree Swallow	20 Mar	21 Mar	19 Mar	20 Mar	24 Mar	5 May	5 Apr	20 Apr	30 Mar	30 Mar	31 Mar	22 Mar
N. Rough-winged Swallow	5 Apr	4 Apr	2 Apr	10 Apr	6 Apr	5 May	15 Apr	2 Apr	8 Apr	3 Apr	9 Apr	16 Apr
Bank Swallow	24 Apr	14 Apr	20 Apr	22 Apr	30 Apr	7 May	8 May	27 Apr	20 Apr	11 Apr	24 Apr	25 Apr
Cliff Swallow	24 Apr	7 Apr	20 Apr	23 Apr	18 Apr	8 May	10 Apr	28 Apr	1 May	5 Apr	20 Apr	27 Apr
Barn Swallow	30 Mar	29 Mar	2 Apr	2 Apr	31 Mar	4 May	8 Apr	14 Apr	9 Apr	5 Apr	7 Apr	11 Apr
House Wren	16 Apr	1 May	17 Apr	29 Apr	29 Apr	6 May	7 May	24 Apr	21 Apr	9 Apr	24 Apr	22 Apr
Ruby-crowned Kinglet	7 Apr	16 Apr	7 Apr	2 Apr	7 Apr	3 Apr	5 Apr	6 Apr		1 Apr	6 Apr	7 Apr
Blue-gray Gnatcatcher	10 Apr	12 Apr	17 Apr	30 Apr	22 Apr		15 May	23 Apr	8 Apr	7 Apr	19 Apr	21 Apr
Eastern Bluebird		17 Mar	5 Mar	20 Mar	13 Mar	10 Apr	23 Mar				19 Mar	9 Mar
Veery	6 May	6 May	1 May	8 May	2 May	19 May	8 May	2 May	30 Apr	18 Apr	4 May	2 May
Swainson's Thrush	10 May	11 May	13 May	20 May	13 May		1 May	12 May	11 May	2 May	10 May	8 May
Hermit Thrush	6 Apr	2 Apr	4 Apr	10 Apr	31 Mar	2 May	7 Apr	5 Apr			8 Apr	8 Apr
Wood Thrush	3 May	1 May	28 Apr	7 May	4 May	12 May	8 May	29 Apr	20 Apr	26 Apr	1 May	29 Apr
Gray Catbird	2 May	6 May	5 May	2 May	6 May	13 May	20 Apr	5 May	13 Mar		27 Apr	26 Apr
Brown Thrasher	1 Apr	16 Apr	10 Apr	19 Apr	17 Apr	7 May	28 Apr	13 Apr	13 Apr	6 Apr	16 Apr	17 Apr
Blue-headed Vireo	10 Apr	12 Apr	9 Apr	17 Apr	17 Apr	30 Apr	20 Apr	18 Apr	9 Apr	7 Apr	14 Apr	20 Apr
Yellow-throated Vireo	6 May	10 May	6 May	8 May	5 May	30 May	11 May	3 May	23 Apr	21 Apr	6 May	4 May
Warbling Vireo	2 May	7 May	23 Apr	2 May	25 May	11 May	9 May	1 May	23 Apr	20 Apr	3 May	1 May
Red-eyed Vireo	5 May	6 May	7 May	10 May	6 May	11 May	11 May	3 May	10 May	12 Apr	5 May	4 May

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Spring Arrival Dates 2005 Landbirds (cont'd)												
Species	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6	Region 7	Region 8	Region 9	Region 10	Average	19-Yr. Ave
Tennessee Warbler	10 May	10 May	10 May	16 May	10 May	6 May	21 May	18 May	10 May	8 May	11 May	9 May
Nashville Warbler	27 Apr	30 Apr	27 Apr	6 May	3 May	7 May	30 Apr	10 May	23 Apr	21 Apr	30 Apr	30 Apr
Northern Parula	12 May	10 May	11 May	18 May	30 Apr	6 May	7 May	14 May	26 Apr	7 Apr	5 May	3 May
Yellow Warbler	26 Apr	27 Apr	20 Apr	27 Apr	29 Apr	1 May	9 May	21 Apr	21 Apr	18 Apr	25 Apr	27 Apr
Chestnut-sided Warbler	3 May	7 May	6 May	5 May	6 May	6 May	9 May	6 May	8 May	30 Apr	5 May	3 May
Magnolia Warbler	5 May	7 May	6 May	14 May	8 May	6 May	10 May	3 May	23 Apr	4 May	5 May	5 May
Cape May Warbler	6 May	6 May	5 May		14 May	18 May	20 May		14 May	2 May	10 May	8 May
Black-thr. Blue Warbler	6 May	1 May	5 May	8 May	4 May	10 May	6 May	7 May	1 May	21 Apr	3 May	1 May
Black-thr Green Warbler	19 Apr	17 Apr	19 Apr	27 Apr	26 Apr	6 May	1 May	22 Apr	20 Apr	18 Apr	23 Apr	25 Apr
Blackburnian Warbler	2 May	26 Apr	5 May	8 May	27 Apr	12 May	7 May	14 May	6 May	30 Apr	4 May	4 May
Pine Warbler	7 Apr	10 Apr	6 Apr	1 Apr	8 Apr	21 Apr	16 Apr	6 Apr	27 Mar	30 Mar	7 Apr	12 Apr
Palm Warbler	13 Apr	16 Apr	18 Apr		18 Apr	9 Apr	8 Apr	14 Apr	6 Apr	4 Apr	11 Apr	18 Apr
Bay-breasted Warbler	8 May	10 May	11 May	14 May	10 May	2 May	19 May	14 May	11 May	10 May	10 May	10 May
Blackpoll Warbler	10 May	12 May	11 May	21 May	11 May	14 May	16 May	12 May	7 May	1 May	11 May	12 May
Black-and-White Warbler	30 Apr	27 Apr	27 Apr	27 Apr	26 Apr	1 May	25 Apr	1 May	19 Apr	7 Apr	25 Apr	25 Apr
American Redstart	5 May	6 May	27 Apr	8 May	6 May	10 May	7 May	3 May	1 May	25 Apr	3 May	3 May
Ovenbird	6 May	6 May	28 Apr	30 Apr	2 May	6 May	7 May	5 May	30 Apr	21 Apr	2 May	30 Apr
Northern Waterthrush	3 May	27 Apr	16 Apr	19 Apr	27 Apr	2 May	1 May	16 Apr	1 May	6 Apr	23 Apr	26 Apr
Mourning Warbler	15 May	16 May	11 May	15 May	15 May	24 May	15 May	27 May	27 May	13 May	17 May	15 May
Common Yellowthroat	6 May	6 May	29 Apr	4 May	6 May	17 May	10 May	5 May	4 May	21 Apr	4 May	30 Apr
Wilson's Warbler	7 May	10 May	10 May	13 May	9 May	23 May	13 May	14 May	16 May	8 May	12 May	11 May
Canada Warbler	10 May	10 May	10 May	13 May	8 May	11 May	15 May	15 May	10 May	7 May	10 May	11 May
Scarlet Tanager	10 May	9 May	5 May	11 May	10 May	11 May	10 May	6 May	4 May	25 Apr	7 May	4 May
Rose-breasted Grosbeak	4 May	5 May	27 Apr	30 Apr	4 May	4 May	6 May	24 Apr	26 Apr	25 Apr	30 Apr	29 Apr
Indigo Bunting	10 May	10 May	29 Apr	10 May	10 May	8 May	15 May	30 Apr	3 Apr	3 Apr	30 Apr	4 May
Eastern Towhee	3 Apr	11 Apr	12 Mar	6 Apr	31 Mar	10 Apr	18 Apr	22 Apr	9 Apr		6 Apr	11 Apr
Chipping Sparrow	9 Apr	21 Mar	21 Mar	7 Apr	1 Apr	15 Apr	3 Apr	6 Apr	1 Apr	18 Mar	31 Mar	5 Apr
Vesper Sparrow	31 Mar	23 Mar	6 Apr	13 Apr	10 Apr		6 Apr	8 Apr	6 Apr	11 Apr	5 Apr	11 Apr
Savannah Sparrow	3 Apr	6 Apr	23 Mar	9 Apr	13 Mar	2 May	31 Mar	8 Apr			4 Apr	9 Apr
Lincoln's Sparrow	6 May	10 May	18 Apr	14 Apr	6 May	15 May	10 May	27 May	16 May	10 May	7 May	5 May
White-crowned Sparrow	30 Apr	21 Apr	27 Apr	2 May	26 Apr	4 Apr	6 May	3 May	4 May		27 Apr	26 Apr
Bobolink	5 May	1 May	4 May	7 May	26 Apr	7 May	9 May	6 May	5 May	3 May	4 May	2 May
Baltimore Oriole	5 May	17 Apr	4 May	30 Apr	6 May	9 May	10 May	1 May	28 Apr	26 Apr	1 May	30 Apr
Overall Average	22 Apr	21 Apr	19 Apr	25 Apr	23 Apr	1 May	29 Apr	25 Apr	23 Apr	19 Apr	24 Apr	23 Apr
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SEASONALITY AND ADVANCE

Region	Species Reported	Seasonality vs 1987-2005	Advance (Days)
1	91	0.97	-1.84
2	92	1.64	-2.4
3	92	-1.58	-4.77
4	85	-0.69	1.34
5	93	0.97	-0.94
6	85	1.16	7.3
7	91	-0.87	5.37
8	83	0.62	1.45
9	81	1.85	-0.63
10	73	-0.01	-4.88

With the lack of attempts to estimate arrivals in several Regions, seasonality for those Regions and advance for all Regions may mean little.

Possible number of species = 93. Minus = this year earlier than the 19-year average for the Region under Seasonality or this Region's average earlier than the 10-region average for this year under Advance.

