

2020 Phenology Calendar

Gichi-Manidoo-Giizis (January) Great Spirit Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10 Full Moon ☉	11
					first day above freezing (2015—Bayfield, WI)	first rain (2015—Bayfield, WI)
12	13	14	15	16	17	18
robins spotted (2019—Ashland, WI)						
19	20	21	22	23	24 New Moon ●	25
wasp spotted on sidewalk (2017—Odanah, WI)	bat flying around on ski trails (2016—Ironwood, MI)					
26	27	28	29	30	31	
bear cubs born		barred owls begin hooting & claiming territories	great horned owls begin hooting & claiming territories	striped skunk seen (2016—White River Flowage, WI)	polar vortex (2015—Upper Midwest)	

Namebini-Giizis (February) Sucker Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
						ermine are active
2	3	4	5	6	7	8
beavers begin mating	albino buck spotted (2017—near Ashland, WI)	red foxes begin mating	wolves begin mating			gray squirrels begin mating
9 Full Moon ☉	10	11	12	13	14	15
			crows yelling like crazy in sugarbush (2018—Red Cliff, WI)			
16	17	18	19	20	21	22
coyotes begin mating	high of 57° (2017—Ashland, WI) first arrival of robins (2018—Duluth, MN)		first day above freezing & Brampton, MI)			
23 New Moon ●	24	25	26	27	28	29
three trumpeter swans (2018—Hayward, WI)	deer shed antlers		dead skunk on highway (2018—Odanah, WI)		chickadees singing (2018—Bayfield, WI)	

Onaabani-Giizis (March) Hard Crust on the Snow Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
ravens nesting	first crusty snow (2015—Shell Lake, WI)	first snow fleas (2015—Bayfield, WI)	Canada geese spotted (2015—Ashland, WI)	first robin (2015—Shell Lake, WI)	bald eagles on breeding grounds and courting	thunderstorm (2019—Mellen, WI)
8	9 Full Moon ☉	10	11	12	13	14
first red-winged blackbird (2016—Benoit, WI)	song sparrows (2015—Duluth, MN) starlings arrive (2015—Bayfield, WI)	look for deer ticks as soon as the snow melts	cardinals arrive (2018—Bayfield Peninsula, WI)	eagle building nest (2018—Washburn, WI)	flock of robins (2016—Mason, WI)	bat out feeding during day (2016—Mason, WI) sanhill cranes return (2016—Prentice, WI)
15	16	17	18	19 Spring Equinox	20	21
maple sap begins to flow	maple sap starts flowing: February 21, 2016 (Mason, WI) March 5, 2017 (Mason, WI) February 25, 2018 (Brampton, MI) March 28, 2018 (Saginaw, MN) April 11, 2018 (Ishtepemung, MI) March 11, 2019 (Ashland, WI)	first mourning dove (2018—Bayfield, WI)	snowshoe hare coats begin to turn brown			eagles mating (2018—Chippewa Flowage, WI)
22	23	24 New Moon ●	25	26	27	28
early leek growth	wolf pups born	woodcocks peenting	male red-winged blackbirds return	woodpeckers drumming (2018—Bayfield, WI)	hail (2019—Penokee Range, WI)	first robins (2018—Siren, WI & Bayfield, WI)
29	30	31				
crow carrying nesting material (2016—Mellen, WI) northern white cedar flowering (2015—Odanah, WI)	chipmunk spotted (2015—Ino, WI)	grouse drumming sanhill cranes arrive				

Iskigamizige-Giizis (April) Maple Sugar Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
	watch for ice out on lakes (2015—Ashland, WI)	ice out dates: April 6, 2018 (Duluth, MN) April 22, 2018 (Bad River, WI) May 8, 2018 (Shell Lake, WI) May 1, 2019 (Big Dunham Lake, WI)	walleye spawning		first mourning cloak butterfly (2015—Bayfield, WI)	
5	6	7 Full Moon ☉	8	9	10	11
great blue heron flying through a snowstorm (2016—Hayward, WI) LCO opened first spawning lakes (2016—Hayward, WI)	goldfinches turned yellow (2015—Saginaw, MN)		average spearing opener (1989-2015)	end of maple sap season (2018—Brampton, MI)	turkey vulture (2015—Benoit, WI)	first night above freezing (2018—Duluth, MN)
12	13	14	15	16	17	18
	red maple buds swelling (2015—Ashland, WI)	loons arrive	36 inches of snow! (2018—Ishtepemung, WI)	last snow before summer (2018—Shell Lake, WI & Brampton, MI)	first bluebirds (2016—Marengo, WI)	first loon (2018—Spider Lake, WI) lunco's back (2018—Bayfield, WI)
19	20	21	22 New Moon ●	23	24	25
first tick (2018—Ironwood, WI) violets in yard (2015—Ironwood, WI)	first butterfly (2018—Duluth, MN) first dragonfly (2018—Shell Lake, WI) last snow before summer (2018—Saginaw, MN)	first spider outside (2018—Duluth, MN) first night above freezing (2018—Brampton, MI)	first red-winged blackbird (2018—Shell Lake, WI)	ruby-crowned kinglets arrive	sugar maple flowering fiddleheads emerge	wood frogs calling
26	27	28	29	30		
bloodroot begins blooming trout lily leaves emerge	yellow-rumped warblers return	first wildflowers blooming (dandelion) (2015—High Bridge, WI)	first canoe (2018—Totogatic Lake, WI) first flowers on trees (red maple) (2018—Shell Lake, WI) hermit thrush singing (2018—Barkdale, WI)	first spring peepers (2018—Bayfield, WI)		

Waabigwanii-Giizis (May) Flower Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
			deer fawns spotted: June 1, 2015 (Bad River, WI) May 26, 2016 (Mason, WI) May 24, 2017 (Marengo, WI) May 20, 2017 (Ashland, WI) May 23, 2018 (Ishtepemung, MI) June 13, 2018 (Brampton, MI)	first flowering trees—quaking aspen (2018—Rice Lake, WI) end of maple sap season (2018—Mason, WI)		leatherwood blooming (2019—Mason, WI)
3	4	5	6	7 Full Moon ☉	8	9
fox kits (2018—Bayfield, WI)	house wrens back (2018—Washburn, WI) first woodcock mating call (2018—Saginaw, MN) mole running in circles in backyard (2015—Ashland, WI)		common loon spotted (2016—Twin Bear Lake, Delta, WI) leaves out on apple, birch, serviceberry, plum (2015—Marengo, WI)	willows leafed out (2016—Marengo, WI) house wren singing (2015—Washburn, WI)	snow/sleet, & songbirds singing! (2015—Ashland, WI)	first fiddleheads harvested (2015—Shell Lake, WI)
10	11	12	13	14	15	16
first hummingbird (2016—Marengo, WI)	first canoe (2015—Ishtepemung, MI) Eastern meadowlark (2016—Mason, WI)	end of maple sap season (2018—Ishtepemung, MI) first grouse drumming (2018—Shell Lake, WI) fiddleheads (2016—Mason, WI)	trillium blooming starflower blooming	first suckers running (2018—Ishtepemung, MI)	frogs changed their tune so sturgeon are spawning (2018—Hinckley, MN) popple leaves the size of beaver ears (2018—Shell Lake, WI)	first thunderstorm (2018—Bayfield, WI) serviceberry in bloom (2018—Bayfield, WI)
17	18	19	20	21	22 New Moon ●	23
first leeks harvested (2018—Ishtepemung, MI)	first new needle growth on trees (2015—Brampton, MI) apple blossoms are out (2015—Mogauah, WI)	bracken fern beginning to unfurl	first tick (2015—Ironwood, WI) last frost before summer (2018—Duluth, WI)	strawberry flowering	strawberry flowering dates: May 5, 2015 (Mason, WI) May 12, 2016 (Odanah, WI) May 31, 2017 (Ashland, WI)	first dragonfly (2018—Brampton, MI) late frost (2018—Brampton, MI)
24	25	26	27	28	29	30
starflower & gaywings blooming (2015—Lake Namekagon, WI)	monarchs arrive (2015—Bayfield, WI)	yellow swallowtail sighting (2018—Bayfield, WI)		first bear (2018—Brampton, MI)	first hay cutting (2015—Mogauah, WI)	black ash leaves out

Ode'imini-Giizis (June) Time for Picking Strawberry Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5 Full Moon ☉	6
			raspberry plants flowering (2018—Siren, WI)	back with antlers starting (2016—Mason, WI)	watch for turtles laying eggs	watch for nesting songbirds
7	8	9	10	11	12	13
		loon chicks hatch	labrador tea blooming (2016—Delta, WI)	watch for fireflies	first firefly dates: May 27, 2015 (Marengo, Lac du Flambeau, & Ashland, WI) June 29, 2017 (Mason, WI) June 6, 2018 (LCO, WI) June 30, 2018 (Cornucopia, WI) July 12, 2019 (Ashland, WI)	strawberries ripen (2015—Ashland, WI)
14	15	16	17	18	19	20 Summer Solstice
	sandhill crane chicks (2018—Herbst, WI)	hawkweed blooming (2019—Manitowish Waters, WI)	woodcock chicks (2018—Siren, WI)		tiny loon chick! (2019—Spider Lake, WI)	
21	22	23	24	25	26	27
blue flag iris blooming				deer flies start (2019—Mellen, WI)		
28	29	30				
	yarrow & wild chamomile flowering (2019—Bayfield & Ashland Counties, WI)					

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Aabita-Niibino-Giizis (July) Half Way Through the Summer Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1  song sparrow chicks hatching (2016—Washburn, WI)	2  watch for eaglets fledging	3  turkey poults (2016—Gurney, WI)	4 Full Moon ☉
5  itty bitty blueberries ripe (2019—Moquah Barrrens, WI)	6	7	8	9	10	11  thousands of mayflies (2016—Ashland, WI)
12	13	14	15	16	17	18  two golden eagles (2018—Lake Superior, near Washburn, WI)
19	20  jewelweed pods ripen	21  bluebead lily berries turn blue	22	23  cattails done pollinating (2016—Odanah, WI)	24	25
26  blueberries & raspberries ripen	27	28	29	30	31	

Manoominike-Giizis (August) Ricing Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1  goldenrod begins blooming (2016—Mellen, WI)
2	3  thimbleberries ripe (2017—Washburn, WI)	4  blackberries ripe (2017—Penokee Range, WI)	5	6	7	8
9	10	11	12	13	14  milkweed pods ripe (2017—Bayfield County, WI)	15  watch for manoomin ripening on rivers
16  second brood of bluebirds in next box fledged (2016—Marathon, WI)	17	18  New Moon ☾	19	20  nighthawks migrate	21  ricing opened on Kakagon Slough (2016—Odanah, WI)	22  leaves turning color (maple, birch, ash) (2018—Drummond, WI)
23	24  ricing opened on part of Kakagon Slough (2017—Odanah, WI)	25	26	27	28  mushrooms fruiting	29
30	31					


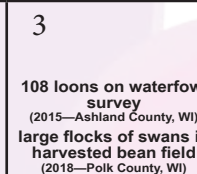
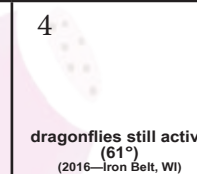





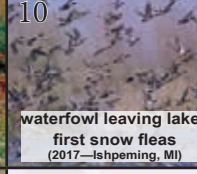
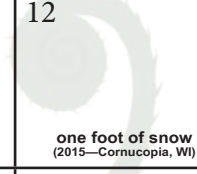
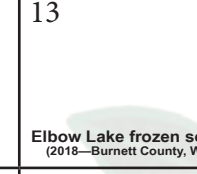
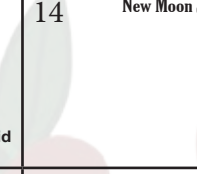
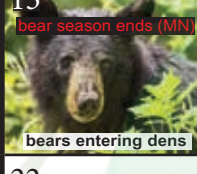




Waatebagaa-Giizis (September) Leaves Changing Color Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	 leaves begin to turn color	1  first apples harvested (2018—Burnett County, WI)	2 Full Moon ☉	3	4	5
6  geese start heading south (2016—Ashland, WI)	7  hunting season opener (deer, bear, pheasant, grouse, turkey)	8  light frost (32°) (2017—Ironwood, MI)	9  deer getting winter coats (2018—Vilas County, WI)	10  raptors migrating	11  first grouse harvested (2018—Siren, WI)	12  hummingbirds gone (2017—Mason, WI)
13	14	15	16  first polished deer antlers (2018—Siren, WI)	17  New Moon ☾	18  buck still in velvet (2017—Washburn, WI)	19  ferns start to turn color
20  monarch butterflies migrating	21  cranberries ripening	22  Fall Equinox grapes are ripe (2015—Mason, WI)	23	24	25	26  bucks and does together eating acorns (2016—Siren, WI)
27	28	29  first frost (30°) (2018—Siren, WI) harvested pumpkins (2018—Siren, WI)	30			

Binaakwii-Giizis (October) Falling Leaves Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		 watch for peak fall colors	 snowshoe hares begin to turn white	1 Full Moon ☉ hunting season opener (bobcat)	2	3  snow geese (2018—White River Dam, WI)
4  blueberry flowers & unripe blueberries remain (2015—Penokees, WI)	5  first duck harvested (2018—Siren, WI)	6	7	8  peak fall colors (2015—Ironwood, MI)	9	10
11  record high temp (79°) (2015—Cable, WI) bumblebees still active at late-blooming flowers (2016—Odanah, WI)	12  tamaracks turning yellow	13  loons leave lakes	14  watch for first snow	15  first snow dates: October 17, 2015 (Ironwood, MI) November 16, 2016 (Ironwood, MI) October 1, 2017 (Shelb Lake, WI) October 31, 2017 (Ishpeming, MI) November 3, 2017 (Saginaw, MI) November 12, 2017 (Strampton, MI) October 11, 2018 (Siren, WI) October 11, 2019 (Ironwood, MI)	16  New Moon ☾ robins still observed (2015—Moquah, WI) sleet (2017—Ironwood, MI) woolly bears on the road (2017—Odanah, WI)	17  first hard frost (26°) (2015—Ironwood, MI) first ski (2015—Ironwood, MI)
18	19	20	21	22	23	24
25  all leaves on ground	26	27  66 loons on waterfowl survey (2015—Ashland County, WI)	28	29  snow buntings migrating (2015—Moquah, WI) first ski/snowshoe (2017—Ishpeming, MI)	30	31 Full Moon ☉ bear season ends (WI & MI)

Gashkadino-Giizis (November) Ice is Forming Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1  deer in rut	2	3  108 loons on waterfowl survey (2015—Ashland County, WI) large flocks of swans in harvested bean field (2018—Polk County, WI)	4  dragonflies still active (61°) (2016—Iron Belt, WI)	5  first snowshoe (2017—Bayfield, WI) first temperature below 0 (2017—Shelb Lake, WI)	6  snow begins to stick	7  first dates of snow sticking: October 22, 2017 (Bayfield, WI) October 27, 2017 (Duluth, MN) December 5, 2017 (Strampton, MI) December 14, 2017 (Saginaw, MI) November 7, 2018 (Siren, WI)
8  first day temperature stays below 0 (2018—Siren, WI)	9  last sandhill cranes migrating south	10  waterfowl leaving lakes first snow fleas (2017—Ishpeming, MI)	11	12  one foot of snow (2015—Cornucopia, WI)	13  Elbow Lake frozen solid (2018—Burnett County, WI)	14  New Moon ☾
15  bear season ends (MN) bears entering dens	16  first ermine with white coat (2017—Saginaw, MN)	17  first temperature below 0 (2017—Saginaw, MN)	18	19	20	21
22  five fish houses out (2017—Big Grand, Saginaw, MN)	23  lake freezes (2017—Baldy Lake, Strampton, MI)	24	25	26	27	28
29	30 Full Moon ☉					

Manidoo-Giizisoons (December) Little Spirit Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 lakes begin freezing over	 snow starts accumulating	1  snowy owl spotted (2015—Benoit, WI) first white coat on snowshoe hare (2017—Ishpeming, MI) pickup through ice (2017—Big Grand Lake, Saginaw, MN)	2  first temperature below 0 (2017—Ishpeming, MI)	3	4  first deer antlers dropped (2017—Saginaw, MI) huge thunderstorm (2017—Ironwood, MI)	5  night crawler on sidewalk (2015—Washburn, WI)
6	7  grouse drumming at 6 am (2015—Mason, WI)	8	9	10	11  look for mink and otter signs	12
13  first below 0 night (2016—Ironwood, MI)	14  New Moon ☾	15	16	17	18	19
20  rain (2018—Odanah, WI)	21  Winter Solstice first crusty snow (2018—Strampton, MI)	22	23	24	25	26  look for snow fleas in the snow
27	28	29 Full Moon ☉	30	31  many (not all) hunting seasons end (see regulations)		