

2024 Phenology Calendar

Gichi-Manidoo-Giizis (January) Great Spirit Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 first temperature below zero 2021-Duluth, MN	2 lake freezes 2021-Silver Lake Basin, Champion Township, MI 2022-Keweenaw Bay frozen	3	4 first temperature below zero 2022-Ishpeming, MI	5 first robins February 17, 2018-Duluth, MN March 5, 2016-Shell Lake, WI January 12, 2018-Ashland, WI January 6, 2021-Bayfield, WI March 3, 2021-Duluth, MN March 22, 2021-Anse, MI March 15, 2022-Duluth, MN April 9, 2022-Washburn, WI	6
7	8 hoarfrost on trees 2021-Cassey Lake North St. Paul, MN	9	10 first day above freezing 2018-Bayfield, WI	11 New Moon	12 ermine are active above freezing open water 2022-Fish Creek Bluff, WI 2022-Bayfield, WI	13 striped skunk spotted 2020-Ashland, WI
14	15	16	17	18	19 wasp spotted on sidewalk 2017-Odanah, WI	20 bat flying around on ski trails 2016-Ironwood, MI
21	22	23	24	25 Full Moon	26 bear cubs born	27
28 barred owls begin hooting & claiming territories	29 great horned owls begin hooting & claiming territories	30 polar vortex 2019-Upper Midwest	31			

Namebini-Giizis (February) Sucker Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 beavers begin mating	2 albino buck spotted 2017-near Ashland, WI less than 5% ice cover on Lake Superior (2020 avg. for end of January is 25%)	3
4 red foxes begin mating	5 wolves begin mating	6	7 chickadees singing 2018-Bayfield, WI 2022-Bayfield, WI	8 first day above freezing 2022-Ishpeming, MI first flock of crows 2022-Bayfield, WI	9 New Moon	10 gray squirrels begin mating
11	12 crowns yelling like crazy in Ashland 2018-Red Cliff, WI	13	14 Lake Superior freezes 2022-Duluth, MN flock of cedar waxwings 2022-Duluth, MN	15 almost an inch of rain 2022-Washburn, WI	16 coyotes begin mating	17 high of 57° 2017-Ashland, WI crow carrying nest material 2020-Iso, WI
18	19 first day above freezing 2018-Shell Lake, WI & Brampton, MI	20	21	22 several hatches of insects out in the forests 2020-Bayfield County, WI dead skunk on highway 2020-Washburn, WI	23 three trumpeter swans 2018-Hayward, WI woolly bear crawling across snow 2020-Odanah, WI	24 Full Moon
25	26	27 first mallards of the year 2022-Duluth, MN first crusty snow 2022-Duluth, MN	28	29		

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 grouse drumming sandhill cranes arrive	2 ravens nesting	3 first crusty snow 2018-Shell Lake, WI gull sighting 2020-Ashland, WI
3 first snow fleas 2018-Bayfield, WI purple finch turning color 2022-L'Anse, MI	4 Canada geese spotted 2018-Bayfield, WI pair of swans on the ice 2020-Odanah, WI	5 first robin 2018-Shell Lake, WI	6 bald eagles on breeding grounds and courting	7 daffodil plants emerging through the snow 2020-Bayfield, WI	8 first red-winged blackbird 2016-Benoit, WI song sparrows 2018-Duluth, MN starlings arrive 2018-Bayfield, WI chipmunk out 2020-Iso, WI	9 look for deer ticks as soon as the snow melts
10 New Moon	11 eagle building nest 2018-Washburn, WI male dove calling 2020-Iso, WI	12	13 bat out feeding during day 2016-Mason, WI sandhill cranes return 2016-Preston, WI willow catkins 2020-Bayfield, WI	14 snow buntings moving north	15 maple sap begins to flow	16 maple sap flowing February 21, 2016-Mason, WI March 5, 2017-Mason, WI April 11, 2018-Ishpeming, MI March 11, 2018-Ashland, WI March 9, 2021-Duluth, MN April 2, 2022-Ishpeming, MI
17 first mourning dove 2018-Bayfield, WI first red-winged blackbirds 2021-Milwaukee, WI first night above freezing April 21, 2018-Brampton, MI March 11, 2022-Bayfield, WI April 6, 2022-Ishpeming, MI	18 snowshoe hare coats begin to turn brown	19 Spring Equinox	20 common mullein leaves emerging 2020-Bayfield, WI first goldfinches at feeder 2021-Washburn, WI	21 eagles mating 2018-Chippewa Flowage, WI first juncos 2021-Bayfield, WI	22 early leaf growth	23 wolf pups born
24 woodcocks peenting	25 Full Moon	26	27	28	29 northern white cedar flowering 2019-Odanah, WI	30 buds on large red maple 2020-Besemer, MI Chequamegon Bay free of ice 2021
31 first chipping sparrow 2021-Bayfield, WI	male red-winged blackbirds return	woodpeckers drumming 2018-Duluth, MN first grouse drumming 2021-Duluth, MN first common redpolls 2022-L'Anse, MI		hail 2019-Penokee Range, WI		

Iskigamizige-Giizis (April) Maple Sugar Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 walleye spawning	2 skunk cabbage blooming 2022-Bayfield, WI	3 first mourning cloak butterfly 2018-Bayfield, WI	4 first tick 2021-Bayfield, WI first peepers 2021-Washburn, WI silver maple leaf buds breaking 2021-Duluth, MN painted lady butterflies 2022-Duluth, MN	5 sandhill cranes, woodcock, wood ducks, & pine warblers spotted 2020-Grand View, WI first chipmunk 2020-Bayfield, WI	6 sandhill cranes calling 2020-Marengo, WI
7 wood frogs heard calling 2020-Washburn, WI kingfisher calling 2020-Friendly Valley Beach, Bayfield, WI first thunderstorm 2021-Ashland, WI	8 New Moon	9 end of maple sap season March 7, 2017-Mason, WI April 8, 2018-Brampton, MI April 8, 2021-Duluth, WI	10 northern flicker pecking at something under snow 2020-Moquah Barrens, WI	11 first woodcock mating call 2021-Bayfield, WI	12 Canada buffaloberry leaves emerging 2020-Wisconsin Point, Superior, WI	13
14 dragonflies out 2023-Penokees, WI	15 36 inches of snow! 2018-Ishpeming, MI snowshoe hare change from white to brown 2022-Duluth, MN first spring peepers 2021-Ashland, WI	16 first bluebirds 2016-Marengo, WI last snow of season April 15, 2018-Shell Lake, WI April 18, 2021-Ashland, WI April 15, 2022-Ishpeming, MI	17 first loon 2016-Spider Lake, WI juncos back 2018-Bayfield, WI	18 first 70° day 2022-Chequamegon Bay, WI beaked hazelnut flowers 2021-Bayfield, WI	19 first tick 2016-Bayfield, WI violets in yard 2015-Ironwood, WI marsh marigold blooming 2020-Bayfield, WI	20 first butterfly 2018-Duluth, WI first dragonfly 2015-Shell Lake, WI last snow of season 2018-Saginaw, MN
21 first spider outside 2018-Duluth, MN first red-winged blackbird 2018-Shell Lake, WI	22 first double-crested cormorant 2020-Chequamegon Bay, WI	23 Full Moon	24 first painted turtle basking 2021-Marengo, WI	25 sugar maple flowering fiddleheads emerge	26 bloodroot begins blooming 2021-Marengo, WI trout lily leaves emerge	27 yellow-rumped warblers return
28 first bumblebee 2021-Duluth, MN	29 first canoe 2018-Topologic Lake, WI first flowers on trees red maple 2018-Shell Lake, WI hermit thrush singing 2018-Barteville, WI	30 first spring peepers 2016-Bayfield, WI				

Waabigwanii-Giizis (May) Flower Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 end of maple sap season 2018-Sagamaw, MI first leeks harvested 2021-Duluth, MN mosquito hatch 2021-Duluth, MN	2 leatherwood blooming 2019-Mason, WI	3 fox kits 2018-Bayfield, WI	4 house wrens back 2018-Washburn, WI first woodcock mating call 2018-Saginaw, MN mole running in circles in backyard 2015-Ashland, WI
5 end of maple sap season May 12, 2018-Ishpeming, MI silver maple flowering 2022-Duluth, MN yellowjacket on window 2021-Odanah, WI	6 leaves out on apple, birch, serviceberry, plum 2016-Marengo, WI silver maple flowering 2022-Duluth, MN ice out on Silver Basin Lake 2022-Ishpeming, MI	7 New Moon	8 snow/sleet and songbirds singing 2019-Ashland, WI	9 strawberry flowering 2019-Ashland, WI	10 first hummingbird 2016-Marengo, WI	11 first canoe 2018-Ishpeming, MI eastern meadowlark 2016-Mason, WI first thunderstorm 2022-near Duluth, MN
12 first grouse drumming 2018-Shell Lake, WI first trout lily flowering 2020-Mellen, WI first snapping turtle laying eggs 2022-Ishpeming, MI	13 trillium blooming startflower blooming	14 first suckers running 2018-Ishpeming, MI	15 first fiddleheads harvested 2018-Shell Lake, WI ostrich, lady, & bracken fern fiddleheads 2020-Frog Bay, WI	16 bumblebee on leatherleaf flowers 2020-Frog Bay, WI	17 first leeks harvested April 30, 2022-Ishpeming, MI	18 first new needle growth on trees 2018-Brampton, MI first apple blossom 2021-Brampton, MI
19 first American loon calling 2020-Washburn, WI May 12, 2022-Spoonssaw, WI	20 box elder flowers 2020-Bayfield, WI flowers on raspberry plants 2020-Duluth, MN red osier dogwood leafing out 2020-Red Cliff, WI	21	22 first whitetail deer fawn 2020-Mason, WI startflower blooming 2020-Red Cliff, WI	23 Full Moon	24	25 first monarch of the year 2021-Ironwood, WI
26 yellow swallowtail sighting 2018-Bayfield, WI pin cherries blooming 2020-Bayfield, WI staghorn sumac leafing out 2020-Bayfield, WI	27 last frost before summer 2021-Ashland, WI	28 first bear 2018-Brampton, MI	29 first hay cutting 2015-Moquah, WI first white-tailed deer fawn 2022-Iron River, WI	30 black ash leaves out tadpoles no legs yet 2020-Duluth, MN	31 wood duck swimming with her ducklings 2020-Bayfield, WI	deer fawns spotted June 1, 2015 Bad River, WI May 28, 2016 Mason, WI May 24, 2017 Marengo, WI May 30, 2017 Ashland, WI May 23, 2018 Ishpeming, MI June 15, 2018 Brampton, MI

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 first fish caught 2022-White Face Lake, MN 2022-Duluth, MN
2 chokecherry blooming 2020-Red Cliff, WI wild black currant blooming 2020-Red Cliff, WI first bear sighting 2022-near Duluth, MN	3 first hummingbird 2022-Duluth, MN	4 buck with antlers starting 2016-Mason, WI	5 watch for turtles laying eggs	6 New Moon	7 first firefly June 15, 2020-White River, WI June 3, 2021-Hurley, WI June 7, 2021-Washburn, WI June 16, 2022-Ishpeming, MI	8
9 deer flies start 2019-Mellen, WI 2022-Washburn, WI	10 first dragonfly 2022-Bayfield, WI & Makens, MI	11 beach heather blooming 2020-Superior, WI purple rock cress blooming 2020-Superior, WI	12 first strawberry June 12, 2022-Washburn, WI June 30, 2022-Ishpeming, MI	13 pink moccasin flower blooming 2020-Moquah Barrens, WI	14 wild rice floating leaf stage 2020-Grand Marais, MN	15 sandhill crane chicks 2019-Iroter, WI
16 hawkweed blooming 2019-Manitowish Waters, WI	17 woodcock chicks 2019-Siren, WI 12	18	19	20 Summer Solstice	21 Full Moon	22 loons with chicks 2020-Bayfield, WI
23 bush honeysuckle blooming 2020-Bayfield, WI	24	25	26 flowers on berry plants blue, straw, june 2020-Bayfield, WI pitcher plants in bloom 2020-Bayfield, WI	27 heavy rains 2020-Ishpeming, MI blue flag iris blooming	28	29 yellow & wild chamomile flowering 2018-Bayfield & Ashland Counties, WI

2024 Phenology Calendar

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 downy woodpecker in nest with very noisy chicks 2020-Bayfield, WI	2 first birch bark harvest of the season 2022-Ishpeming, MI	3 turkey poults 2019-Gurney, WI	4 watch for eaglets fledging	5 New Moon itty bitty blueberries ripe 2019-Moquah Barrens, WI one-flowered pyrola blooming 2020-Superior, WI	6 black bear spotted with three cubs 2022-Grand View, WI
7 first newborn fawn of the season 2022-Ishpeming, MI	8 ghost pipe blooming 2020-Bayfield, WI	9	10 pipissewa blooming 2020-Bayfield, WI	11 aphrodite and atlantis fritillary butterflies feeding 2020-Moquah Barrens, WI blueberries and thimbleberries ripe 2020-Moquah Barrens, WI	12	13
14 heavy rains 2022-Ishpeming, MI	15 wild mint blooming 2020-Ashland, WI enchanter's nightshade blooming 2020-Bayfield, WI	16 wild raspberries ripe 2020-Bayfield, WI	17	18	19	20 blueberries & raspberries ripen July 18, 2022-Bayfield, WI July 20, 2022-Ishpeming, WI
21 Full Moon bluehead fly berries turn blue 2016-Penokees, WI	22	23	24	25 giant sunflower blooming 2020-Lake County, MN	26	27
28 sumac berries turning red 2016-Penokees, WI	29 goldenrod blooming 2022-Washburn, WI	30 northern barrens tiger beetle active 2020-Moquah Barrens, WI	31 partridge berry fruits ripening 2020-Red Cliff, WI			

Manoominike-Giizis (August) Ricing Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 tessellated rattlesnake plantain blooming 2020-Superior, WI	2	3
4 New Moon chanterelle mushrooms fruiting 2020-Bayfield, WI	5	6	7 winterberry holly bearing fruit 2020-Russell, WI	8	9	10
11 six-spotted fishing spider active on lily-pads 2020-Washburn, WI destroying angel mushrooms observed 2020-Washburn, WI	12 hairy goldenrod blooming 2020-Washburn, WI	13	14 milkweed pods ripe 2017-Bayfield County, WI	15 watch for manoomin ripening on rivers	16 ricing opened on part of Kakagon Slough August 24, 2017-Odanah, WI 2022-Bad River, WI franklin's ground squirrel active 2020-Duluth, MN	17
18 swamp beggarticks blooming 2020-Russell, WI swamp aster blooming 2020-Russell, WI	19	20 thimbleberries ripe 2022-Bayfield, WI	21 Full Moon nighthawks migrating 2020-Upper Michigan	22 leaves turning color maple, birch, ash 2019-Drummond, WI	23 first wild rice ripe 2020-Duluth, MN	24 pickerelwood blooming 2020-Megoua, WI
25 swamp aster blooming 2020-Russell, WI	26	27	28 first leaves changing color oak 2020-L'Anse, MI heavy rains, 4.5" 2022-Ishpeming, MI	29 coral fungus & American fly agaric fruiting 2020-Bayfield, WI	30	31

Waatebagaa-Giizis (September) Leaves Changing Color Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 New Moon	3 hunting season opener deer, bear, pheasant, grouse, turkey	4 autumn meadowhawk dragonflies active 2020-Russell, WI	5	6 wild cucumber bearing fruit 2020-Bayfield, WI	7 geese start heading south 2016-Ashland, WI jewelweed seed pods popping 2020-Russell, WI
8 last hummingbirds 2020-L'Anse, MI Canadian wood nettle ready to harvest 2020-Ashland, WI some maples already in peak fall color 2022-Ishpeming, MI	9 raptors migrating	10 flicker and jays spotted 2022-Bayfield, WI	11	12	13	14
15 ferns yellow 2020-L'Anse, MI	16 deer getting winter coats 2018-Vilas County, WI	17 Full Moon	18 baby snapping turtles hatching 2020-Grand Rapids, MN first hard frost 2020-Ironwood, MI rabbit tobacco blooming 2020-Superior, WI	19 wild plums ripe & very sweet 2020-Two Harbors, MN	20 monarch butterflies migrating	21 cranberries ripening
22 Fall Equinox	23	24	25 first leaves changing colors 2020-Ishpeming, MI	26 first apples harvested 2022-Ishpeming, MI	27	28 first frost 2022 September 22-Ishpeming, MI September 28-Bayfield, WI October 4, 2022-Washburn, WI October 7, 2022-Washburn, WI
29 migrating robin flocks 2020-L'Anse, MI	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 hunting season opener bobcat first snowfall dusting 2020-Bayfield, WI wolfberry fruiting	2 New Moon	3 snow geese 2018-White River Dam, WI	4 red clover still blooming 2020-Bayfield, WI	5
6 loons leave lakes	7	8	9	10 highbush cranberry ripe 2020-Ashland, WI	11 lake freezes over 2021-Silver Lake Basin, MI	12 tamaracs turning yellow
13 loons leave lakes	14 slate colored juncos arrive 2020-L'Anse, MI	15 first snow: October 2, 2020-Ironwood, MI October 22, 2021-Ironwood, MI October 7, 2022-Ishpeming, MI October 14, 2022-Washburn, WI October 17, 2022-Duluth, MN	16	17 first snowfall that sticks 2020-Ishpeming, MI Duluth, MN; & Bayfield, WI	18 frozen puddles 2020-L'Anse, MI	19
20 peak fall colors October 2, 2020-Duluth, MN October 10, 2020-Ishpeming, MI October 15, 2020-L'Anse, MI October 4, 2022-Washburn, WI October 7, 2022-Washburn, WI	21	22	23	24 flying squirrel in the house overnight 2020-Bayfield, WI	25 snow buntings migrating 2020-Washburn, WI	26
27	28	29 valerian root ready to harvest 2020-Bayfield, WI	30 lake freezes 2020-Long Lake, Iron County, WI	31 bear season ends WI & MI		

Gashkadino-Giizis (November) Ice is Forming Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 New Moon polished deer antlers 2020-Ishpeming, MI	2
3	4	5 first temp below zero 2017-Big Grand, Saginaw, MN 2022-Duluth, MN	6 snow begins to stick	7 first dates of snow sticking November 13, 2021-Duluth, MN November 15, 2021-Harris, MI November 1, 2022-Ishpeming, MI November 11, 2022-Duluth, MN	8 first day temperature stays below 0 2018-Siren, WI	9 bucks in rut 2020-Ishpeming, MI
10 waterfowl leaving lakes	11 last sandhill cranes migrating south	12 one foot of snow 2015-Cornucopia, WI	13 Elbow Lake frozen solid 2018-Burnett County, WI	14	15 Full Moon bear season ends MN bears entering dens	16 first ermine with white coat 2017-Saginaw, MN
17	18 above freezing thaw, then refreeze 2022-Ishpeming, MI last duck on lakes 2022-Ishpeming, MI	19 first pack ice 2022-Chequamegon Bay, WI	20	21 cougar sighting 2021-Floodwood, MN	22 first ice 2022-Chequamegon Bay & Bad River, WI	23 lake freezes 2017-Baloy Lake, Brampton, MI
24	25	26	27	28 ma'ingan running 2021-Duluth, MN	29	30 New Moon

Manidoo-Giizisoons (December) Little Spirit Moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 lakes begin freezing over	2 snow starts accumulating	3	4	5 Silver Lake Basin frozen solid 2020-Ishpeming, MI	6 first temperature below 0 2017-Ishpeming, MI	7
8	9 ruffed grouse active at edge of woods 2020-Bayfield, WI	10	11 look for mink and otter slides	12	13	14 open water in Fish Creek slough after being iced over for several weeks 2022-Ashland, WI
15 Full Moon unseasonal thunder storm with heavy rain 2021-Duluth, MN, Washburn, WI & Ironwood, MI	16	17	18	19 first white coat on snowshoe hare 2020-Washburn, WI December 20, 2022-Duluth, MN	20 rain 2019-Odanah, WI	21 Winter Solstice
22 snowstorm 2022 28"-Ashland, WI 33"-Washburn, WI	23	24 last deer with antlers seen	25	26 look for snow fleas in the snow	27 snow buntings 2022-Duluth, MN	28 lots of rain in Washburn and melted much of the snow 2020-Washburn, WI
29	30 New Moon Lake Superior did not freeze December 2022-Duluth, MN	31 many, not all, hunting seasons end (see regulations)				