

# Kaw Valley Almanac

December 19 - 25, 2022

[www.kawvalleyalmanac.com](http://www.kawvalleyalmanac.com) twitter: @KVALmanac

Day	Moon rises	South	Moon sets	% Illum/Phase
Monday	03:13 AM	08:45 AM	02:07 PM	16%
Tuesday	04:25 AM	09:36 AM	02:39 PM	8%
Wednesday	05:40 AM	10:33 AM	03:20 PM	3%
Thursday	06:57 AM	11:36 AM	04:11 PM	0%
Friday	08:10 AM	12:42 PM	05:15 PM	New Moon
Saturday	09:13 AM	01:49 PM	06:29 PM	4%
Sunday	10:05 AM	02:53 PM	07:47 PM	10%



With super cold, snowy, windy conditions predicted this week, be sure to help overwintering songbirds survive by putting out plenty of bird seed. Don't be surprised if you live in the country if wild turkeys, opossums and even a deer or two show up to grab a little snack to stay warm, too.



## Sun

Day	Gets light	Sunrise	Sunset	Gets dark
Monday	06:36 AM	07:34 AM	05:01 PM	06:08 PM
Tuesday	06:37 AM	07:35 AM	05:02 PM	06:08 PM
Wednesday	06:37 AM	07:35 AM	05:02 PM	06:09 PM
Thursday	06:38 AM	07:36 AM	05:03 PM	06:09 PM
Friday	06:38 AM	07:36 AM	05:03 PM	06:10 PM
Saturday	06:39 AM	07:37 AM	05:04 PM	06:10 PM
Sunday	06:39 AM	07:37 AM	05:04 PM	06:11 PM

Venus low west, Saturn SW Jupiter S, Mars E after sunset  
Live outside the Lawrence area? Get rise and setting times, moon data where you live at: <https://www.timeanddate.com/astronomy>

§ Wednesday afternoon at 3:48pm is the winter solstice, followed by the longest night of the year: 13 hours, 35 minutes from sunset Wednesday to sunrise Thursday morning. Summer solstice nights only last 9 hours 6 minutes. At winter solstice the sun rises and sets around 28° SOUTH of due east/west, and is only 27.6° up from the south horizon at noon, while at summer solstice it is around 28° NORTH of due east/west at sunrise/sunset and is 71.3° up from the horizon at noon.

§ Many songbirds find refuge in the evergreen branches of cedars in order to cut the wind. Notice how much they puff out their body feathers when it gets this cold.

§ If you are travelling this week, look out your car window for the white bark of sycamore trees which line many valley creeks, the coppery prairie grasses on the ridges, and the oaks that hang onto their leaves all winter long. Count the number of hawks perched on trees, fenceposts and telephone poles, look for turkey flocks in fields and bald eagles in the sky.

Reservoirs are good places to catch waterfowl this time of year. Take care to see the deer and say a prayer for each animal who didn't make it across the road.

§ With the cold snap, ice forming on the Kaw will start to concentrate birds to the open water below the Bowersock Dam, so now is a good time to check out the eagles and other birds.