

# Kaw Valley Almanac

December 27, 2021 - January 2, 2022

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

| Day       | Moon rises | South    | Moon sets | % Illum/Phase |
|-----------|------------|----------|-----------|---------------|
| Monday    | 12:30 AM   | 06:43 AM | 12:47 PM  | 42%           |
| Tuesday   | 01:38 AM   | 07:31 AM | 01:14 PM  | 31%           |
| Wednesday | 02:48 AM   | 08:21 AM | 01:44 PM  | 21%           |
| Thursday  | 04:03 AM   | 09:15 AM | 02:20 PM  | 12%           |
| Friday    | 05:20 AM   | 10:15 AM | 03:04 PM  | 5%            |
| Saturday  | 06:37 AM   | 11:19 AM | 03:58 PM  | 1%            |
| Sunday    | 07:48 AM   | 12:26 PM | 05:04 PM  | New Moon      |



This eastern gamagrass provides a native grass burst to mirror fireworks overhead as a way to bring in the new year. Nature follows the endless calendar of our planet circling the sun for billions of cycles, without a beginning or ending. The calendar year is a uniquely human construct recognized by no other form of life on the planet. But Happy New Year anyway!



## Sun

After dusk, Venus sets WSW, Jupiter and Saturn in SSW.

| Day       | Gets light | Sunrise  | Sunset   | Gets dark |
|-----------|------------|----------|----------|-----------|
| Monday    | 06:36 AM   | 07:38 AM | 05:06 PM | 06:08 PM  |
| Tuesday   | 06:36 AM   | 07:38 AM | 05:07 PM | 06:09 PM  |
| Wednesday | 06:37 AM   | 07:38 AM | 05:07 PM | 06:10 PM  |
| Thursday  | 06:37 AM   | 07:39 AM | 05:08 PM | 06:10 PM  |
| Friday    | 06:37 AM   | 07:39 AM | 05:09 PM | 06:11 PM  |
| Saturday  | 06:37 AM   | 07:39 AM | 05:10 PM | 06:12 PM  |
| Sunday    | 06:38 AM   | 07:39 AM | 05:10 PM | 06:13 PM  |

Live outside the Lawrence area? Get rise and setting times, moon data where you live at: <https://www.timeanddate.com/astronomy/>

§ While you can still see grasshoppers hopping about due to the incredibly mild weather so far, most grasshoppers and crickets will die from the cold when it comes, surviving as a species by laying eggs in the soil that hatch in spring. Beetles survive by digging underground or overwinter in egg or larval stages. Many moths survive in waxy pupal stages that survive in cocoons aboveground. Some insects produce antifreeze or eliminate bacteria and other ice-triggering particles from their bodily liquids, which means that their fluids can super-cool down to as low as -40° F. without freezing.

§ There are over 100,000 snow geese now at Loess Bluffs Wildlife Refuge near the Missouri River, but that's a fraction of what can be passing through this time of year: over 1 million have passed through the area some years: mild, dry weather is once again to be the difference this year.

§ The latest sunrises of the year will be this week and next week, stuck at 7:39am. They then start to come earlier and earlier until sunrise stops getting earlier, stuck at 5:55am (4:55am if it was still Standard time instead of DST) for a couple of weeks before the summer solstice on June 21.

§ There are many native prairies and native oak hickory woodlands worth hiking across the state: no bugs, decent weather and grand vistas await you including along the Kaw, Baker Wetlands, area reservoirs, Fitch Nature Preserve and Prairie Park Nature Center