

And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for signs, and for appointed times, and for days and years. (Gen 1:14)

New Moon Observation

26 September 2022

[Read the Report](#)

Photo: Devorah Gordon

DEVORAH'S DATE TREE

The most reliable and respected New Moon and Barley Inspection reports from Israel

Dear Friends,

We just got back from looking for the New Moon, and at the time of this writing, we are not aware of any positive naked eye sightings from Israel this evening, 26 September 2022. The photo at the top of this report was taken from our observation point in Jerusalem this evening at moonset (the new moon is not visible in the photo).

Was this considered a difficult observation?

This was considered an extremely difficult observation, many would even say that it was impossible to be able to sight the New Moon with the naked eye from Israel this evening, as the moon only had an illumination of 0.52% and a lag time of 30 minutes.

Was this the end of the 29th day?

As this evening was the end of the 29th day of the month and a lunar month cannot be more than 30 days, if you don't hear back from us that a positive report came in later, the new month will begin at sunset tomorrow, 27 September 2022 by default.

How do we know a lunar month can't be more than 30 days?

It is an astronomical fact that from our perspective on Earth, it takes the moon 29.530587981 to revolve around the Earth, this means the crescent New Moon

should be visible with our naked eye, either at the end of the 29th day or at the end of 30th day of the month.

Will you be looking again tomorrow evening?

Even if no positive reports come in later from this evening's observation, and therefore tomorrow evening, 27 September 2022, will be the beginning of the new month by default, we are still planning on looking for the moon tomorrow evening, and sending out a report.

What if the New Moon is seen this evening from other countries?

If you have ever looked up at the sky, you may have noticed that the sun and moon always rise on the Eastern horizon and set on the Western horizon. Also, you may have never thought about this, but when the sun and moon set on the Western horizon, they continue to travel West until they make it all the way around Earth and rise on the Eastern horizon again the next day. Also, you may have noticed, is that at the beginning of the lunar month the moon waxes, which means that each night, we notice that a larger percentage of the moon is illuminated. Now, it's not that the moon instantaneously increases its illumination just before we see it the next night, but rather that the percentage of illumination is constantly increasing as it travels West around the Earth. This means that countries which are to the West of Israel, are seeing a more "mature", i.e. more illuminated moon than we had in Israel. Therefore, if we don't see the crescent New Moon in Israel, but they see moon in let's say North America a few hours after we looked in Israel, this does NOT mean that the moon should have been visible in Israel. It only means that by the time the moon reached North America, it was illuminated enough that it was visible there, and that the next night it should definitely be visible in Israel. Now some ask whether one should begin the new month based on when the New Moon is sighted in Israel or when they see the New Moon is sighted locally. It is my opinion, that the Biblical Calendar is intrinsically bound to the Land of Israel, both the Aviv Barley and the New Moon, and that if someone is currently living outside of Israel, they should still follow the Biblical Calendar as it was intended. I believe there is one day that we are supposed to observe the holidays, and that day doesn't change, just because someone is not living here.

[Why I Began the Biblical Year in April 2022](#)

2022 HOLIDAY DATES

All holidays begin at sunset the previous evening and end at sunset.

1st MONTH HOLIDAY DATES

1 st Day of the Year	April 4, 2022
1 st Day of Chag HaMatzot	April 18, 2022
Yom HaNafat HaOmer	April 24, 2022
7 th Day of Chag HaMatzot	April 24, 2022
Chag HaShavuot	June 12, 2022

7th MONTH HOLIDAY DATES

Yom Teruah	September 28, 2022
Yom Kippur	October 7, 2022
1 st Day of Chag HaSukkot	October 12, 2022
Shemini Atzeret	October 19, 2022

The above dates are based on the year beginning with the month in which the earliest fields in the Land of Israel are harvestable by Chag HaMatzot, the New Moon being sighted in the Land of Israel, and Yom HaNafat HaOmer being the Sunday during Chag HaMatzot (see Joshua 5:10-12). It will be impossible to sight the new moon with the naked eye on September 26th, but it should be easily visible on September 27th.

Please support our efforts to restore the Biblical Calendar at <https://www.patreon.com/datetree>

DEVORAH'S DATE TREE

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On behalf of all of us who are trying to keep the Biblical Calendar, we wish to thank everyone who looked for the new moon from Israel this evening and sent in their observations in a timely manner, and everyone who is supporting this important effort from afar.

If reliable New Moon and Barley Inspection reports from Israel are of value to you, please [support](#) our efforts. We could really use your help to restore the

Biblical Calendar.

Chodesh Tov! Make it a great month!

Devorah Gordon
Jerusalem, Israel

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The most reliable and respected New Moon 
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