

Holyday Dates – 2020

All dates & times are using Jerusalem, Israel
as “the center of the earth” (Ezek 38.12)
Universal Reference Point

1. **Passover/First Day of Unleavened Bread – April 7, Tuesday**
2. **Last Day of Unleavened Bread – April 13, Monday**
3. **Feast of Firstfruits/Pentecost – May 31, Sunday**
4. **Feast of Trumpets – September 18, Friday**
5. **Day of Atonement – September 27, Sunday**
6. **Feast of Tabernacles – October 2, Friday**
7. **Last Great Day – October 9, Friday**

The Holydays start at the previous day’s sunset. These Holydays are calculated using the astronomical data from <http://timeanddate.com> using the following major steps:

1. Calculate the Spring Equinox in Jerusalem
2. Find the next New Moon as the first month of the year
3. Find the next sunset in Jerusalem as the first day of year
4. Count to the 14th day as the **Passover**
5. Count to the 20th day as the **Last Day of Unleavened Bread**
6. Count 50 days from the morning after the Sabbath (Sunday) during the 14-20th days as the **Feast of Firstfruits/Pentecost** on a Sunday
7. Count to the 7th New Moon (confirm exact day with sunset times)
8. Find the next sunset in Jerusalem as the first day of the 7th month as the **Feast of Trumpets**
9. Count to the 10th day as the **Day of Atonement**
10. Count to the 15th day as the **Feast of Tabernacles**
11. Count to the 22nd day as the **Last Great Day**

Note: The governing paradigm for these Holyday calculations is to use the created astronomical clock in the sky with the sun and the moon ruling the day, the night and the seasons (Gen 1:16; Ps 136:7-9; 104:19), and just as the hour and minute and second hands of a wrist watch, the season (hour-hand) must be set/completed first, then the month (minute-hand), and then the day (second-hand) in order to set the proper (ful-filled) time for events to occur. This is why we use the **next** new moon the AFTER the equinox (season) to determine the **first month**, and why we use the **next** sunset AFTER the new moon occurs to determine the **first day** of the month.

Also, because the Creator actually starts the days at sunset as recorded in Genesis with the “evening” and then “morning” being one day (Gen 1:5, 9, 8, 13, 19, 31), please note the dates shown for the days of the holydays, and that the holyday actually begins at the sunset of the previous day’s date.

1. Calculate the Spring Equinox in **Jerusalem** under **Sun & Moon, Sun Calculator**
<https://www.timeanddate.com/sun/israel/jerusalem?month=3&year=2020>

2020	Sunrise/Sunset		Daylength	
Mar	Sunrise	Sunset	Length	Difference
14	5:50 am →(92°)	5:46 pm ←(268°)	11:56:25	+1:57
15	5:48 am →(92°)	5:47 pm ←(268°)	11:58:22	+1:57
16	5:47 am →(91°)	5:48 pm ←(269°)	12:00:20	+1:57
17	5:46 am →(91°)	5:48 pm ←(269°)	12:02:17	+1:57
18	5:45 am →(90°)	5:49 pm ←(270°)	12:04:14	+1:57

The **Spring Season** begins at the Spring Equinox, which begins in Jerusalem on the day whose "**Daylength**" is closest to **12 hours**, which above is **3/16**, which starts at the previous day's sunset.

2. Now find the first New Moon in Jerusalem **after** the above Spring Equinox date and time. This will start the first month of God's calendar year.
<https://www.timeanddate.com/moon/phases/israel/jerusalem?year=2020>

Lunation	New Moon	
1200		
1201	Jan 24	11:42 pm
1202	Feb 23	5:32 pm
1203	Mar 24	11:28 am
1204	Apr 23	5:25 am

So, from the above chart, the first **New Moon** is on **March 24** at **11:28 am**.

3. Now find the **very next sunset** in Jerusalem that occurs **after** the above New Moon date and time. This begins the **First Day** of God's calendar for the year.

<https://www.timeanddate.com/sun/israel/jerusalem?month=3&year=2020>

2020	Sunrise/Sunset	
Mar	Sunrise	Sunset
23 ▾	5:38 am → (88°)	5:52 pm ← (272°)
24 ▾	5:37 am → (88°)	5:53 pm ← (273°)
25 ▾	5:36 am → (87°)	5:54 pm ← (273°)

So, from above chart, that **very next sunset** occurs on **March 24 at 5:53PM**. That sunset begins the **First Day** of God's Sacred Calendar Year, with day portion being on **March 25**.

4. To determine the date for **Passover (HOLIDAY 1)**, count **14 days** from and including **March 25**. This takes us to a **Passover** on **Tuesday April 7** (which begins at previous sunset).

<https://www.timeanddate.com/calendar/?year=2020>

Calendar for Year 2020 (United States)

January							February							March								
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa		
			1	2	3	4						1	1	2	3	4	5	6	7			
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14		
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21		
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28		
26	27	28	29	30	31	23	24	25	26	27	28	29	29	30	31							
2:☉	10:☉	17:☉	24:☉	1:☉	9:☉	15:☉	23:☉	2:☉	9:☉	16:☉	24:☉											
April							May							June								
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa		
			1	2	3	4						1	2		1	2	3	4	5	6		
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13		
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20		
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27		
26	27	28	29	30	24	25	26	27	28	29	30	28	29	30								
1:☉	7:☉	14:☉	22:☉	30:☉	7:☉	14:☉	22:☉	29:☉	5:☉	13:☉	21:☉	28:☉										

5. Then count **7 days**, starting on and including **Passover (HOLIDAY 1)**, to the **Last Day of Unleavened Bread (HOLIDAY 2) on Monday April 13**, which completes the Passover/Days of Unleavened Bread Feast that lasts for exactly 7 days.
<https://www.timeanddate.com/calendar/?year=2020>

Calendar for Year 2020 (United States)

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4						1	1	2	3	4	5	6	7	
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31	23	24	25	26	27	28	29	29	30	31					
2:☉	10:☉	17:☉	24:☉	1:☉	9:☉	15:☉	23:☉	2:☉	9:☉	16:☉	24:☉									

April							May							June							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	
			1	2	3	4						1	2			1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	
26	27	28	29	30	24	25	26	27	28	29	30	28	29	30							
1:☉	7:☉	14:☉	22:☉	30:☉	7:☉	14:☉	22:☉	29:☉	5:☉	13:☉	21:☉	28:☉									

6. Then, to determine the date for **Pentecost (HOLYDAY 3)**, count **50 days** from and including the morning after the Sabbath (a Sunday) that occurs **during** that 7 days of the Passover/Days of Unleavened Bread Feast to get to the Sunday that is **Pentecost/Feast of Firstfruits**. So, the Sunday that occurs during those 7 days is **Sunday, April 12**, which is **Day 1**. **50 days** later is **Pentecost Sunday, May 31 (HOLYDAY 3)**.

<https://www.timeanddate.com/calendar/?year=2020>

Calendar for Year 2020 (United States)

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4						1	1	2	3	4	5	6	7	
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31	23	24	25	26	27	28	29	29	30	31					
2:○	10:○	17:○	24:●	1:○	9:○	15:○	23:●	2:○	9:○	16:○	24:●									

April							May							June						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4						1	2		1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	30	24	25	26	27	28	29	30	28	29	30						
1:○	7:○	14:○	22:●	30:○	31	7:○	14:○	22:●	29:○	5:○	13:○	21:●	28:○							

7. Then count from the **1st New Moon** to the **7th New Moon** to find the date for the **Feast of Trumpets (HOLYDAY 4)**.

<https://www.timeanddate.com/calendar/?year=2020>

Calendar for Year 2020 (United States)

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1	1	2	3	4	5	6	7
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14
12	13	14	15	16	17	18	9	10	11	12	13	14	15	15	16	17	18	19	20	21
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31	23	24	25	26	27	28	29	29	30	31					
2:☉	10:☉	17:☉	24:☉	1:☉	9:☉	15:☉	23:☉	2:☉	9:☉	16:☉	24:☉									

April							May							June							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	
			1	2	3	4						1	2			1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	
26	27	28	29	30	24	25	26	27	28	29	30	28	29	30							
1:☉	7:☉	14:☉	22:☉	30:☉	7:☉	14:☉	22:☉	29:☉	5:☉	13:☉	21:☉	28:☉									

July							August							September						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1			1	2	3	4	5
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30	31	23	24	25	26	27	28	29	27	28	29	30				
5:☉	12:☉	20:☉	27:☉	3:☉	11:☉	18:☉	25:☉	2:☉	10:☉	17:☉	23:☉									

From above chart, with **First New Moon** being on **March 24**, it **appears** that the **7th New Moon** occurs on **September 17**, but we need to check for the **exact day** as shown below, because we do not want to be a day off!

So, we will use the chart below to see that the **7th New Moon** in Jerusalem, Israel, for this year occurs on **Saturday, September 28** at **9:26 pm**.

<https://www.timeanddate.com/moon/phases/israel/jerusalem?year=2020>

Moon Phases for Jerusalem, Israel in 2020

Lunation	New Moon		First Quarter
1200			Jan 3
1201	Jan 24	11:42 pm	Feb 2
1202	Feb 23	5:32 pm	Mar 2
1203	Mar 24	11:28 am	Apr 1
1204	Apr 23	5:25 am	Apr 30
1205	May 22	8:38 pm	May 30
1206	Jun 21	9:41 am	Jun 28
1207	Jul 20	8:32 pm	Jul 27
1208	Aug 19	5:41 am	Aug 25
1209	Sep 17	2:00 pm	Sep 24
1210	Oct 16	10:31 pm	Oct 23

Therefore, the **very next sunset** that occurs **after** the above date and time begins the **7th New Moon day**, the **Feast of Trumpets**. So, from the chart below, that **very next sunset** occurs on **Thursday, September 17** at **6:27 pm**, with the **Day** portion of **Feast of Trumpets (HOLYDAY 4)** being on **Friday, September 18**.

<https://www.timeanddate.com/sun/israel/jerusalem?month=9&year=2020>

2020	Sunrise/Sunset	
Sep	Sunrise	Sunset
16 ▾	6:23 am →(87°)	6:43 pm ←(273°)
17 ▾	6:24 am →(87°)	6:41 pm ←(273°)
18 ▾	6:25 am →(87°)	6:40 pm ←(272°)
19 ▾	6:25 am →(88°)	6:39 pm ←(272°)

8. Then, to find the **Day of Atonement (HOLYDAY 5)**, we count **10 days** from and including **September 18** to **Sunday, September 27** (Lev 23:27 "on exactly 10th day").
<https://www.timeanddate.com/calendar/?year=2020>

July							August							September									
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa			
			1	2	3	4						1			1	2	3	4	5				
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12			
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19			
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26			
26	27	28	29	30	31	23	24	25	26	27	28	29	27	28	29	30							
							30	31															
5:○	12:○	20:●	27:○	3:○	11:○	18:●	25:○	2:○	10:○	17:●	23:○												

October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3	1	2	3	4	5	6	7			1	2	3	4	5
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
25	26	27	28	29	30	31	29	30	27	28	29	30	31							
1:○	9:○	16:●	23:○	31:○	8:○	15:●	21:○	30:○	7:○	14:●	21:○	29:○								

9. To find the **Feast of Tabernacles (HOLYDAY 6)** we count 5 more days to find the 15th day, which is on **Friday, October 2**.
<https://www.timeanddate.com/calendar/?year=2020>

July							August							September									
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa			
			1	2	3	4						1			1	2	3	4	5				
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12			
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19			
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26			
26	27	28	29	30	31	23	24	25	26	27	28	29	27	28	29	30							
							30	31															
5:○	12:○	20:●	27:○	3:○	11:○	18:●	25:○	2:○	10:○	17:●	23:○												

October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3	1	2	3	4	5	6	7			1	2	3	4	5
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
25	26	27	28	29	30	31	29	30	27	28	29	30	31							
1:○	9:○	16:●	23:○	31:○	8:○	15:●	21:○	30:○	7:○	14:●	21:○	29:○								

