



# **myaamia kiilhswaakani 2022**



# 2022 myaamia kiilhswaakani

The Myaamia lunar calendar connects the observation of lunar cycles to ecological changes in our environment. Each lunar month is named for an ecological event that is usually observed during that period of time. A lunar month is approximately 29.5 days long. In order to account for the half day, the calendar alternates between months that have 29 days and months with 30 days.

A lunar year is approximately 354 days long, which is eleven days shorter than the solar year. In order stay connected with seasonal ecological changes, the calendar needs to be adjusted approximately every three years by adding a thirteenth moon called waawiita kiilhsa 'lost moon'. The 2022–23 calendar will have twelve months and begins with mahkoonsa kiilhsa. Because the lunar year is shorter, the Gregorian date for weehki-kihkatwi 'Myaamia New Year' varies, but it always occurs at the beginning of mahkoonsa kiilhsa. This year, weehki-kihkatwi occurs on February 4 on the Gregorian calendar.

This calendar includes Gregorian dates in the lower lefthand corner of each day so that users can connect the Myaamia lunar calendar to the Gregorian solar calendar.

Some common terms associated with the Myaamia lunar calendar are listed below.

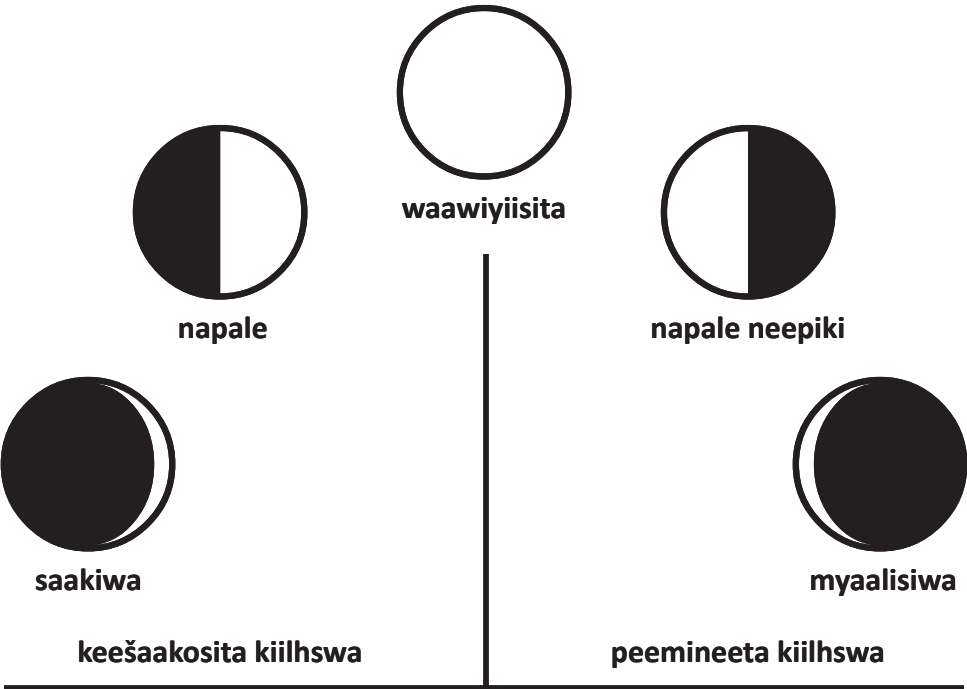
|                                   |           |                      |                    |
|-----------------------------------|-----------|----------------------|--------------------|
| eelaamini – kiišikahki            | Sunday    | saakiwa kiilhsa      | New Moon           |
| nkotakone pooni – kiišikahki      | Monday    | napale kiilhsa       | First Quarter Moon |
| niišakone pooni – kiišikahki      | Tuesday   | waawiyiisita         | Full Moon          |
| nihsokone pooni – kiišikahki      | Wednesday | napale neepiki       | Last Quarter Moon  |
| niiyakone pooni – kiišikahki      | Thursday  | myaalisiwa           | Waning Crescent    |
| yaalanokone pooni – kiišikahki    | Friday    | keešaakosita kiilhsa | Waxing Phases      |
| kaakaathsokone pooni – kiišikahki | Saturday  | peemineeta kiilhsa   | Waning Phases      |
| weehki-kihkatwi                   | New Year  | pahsaahkaahkanka     | Solstice           |

## kiilhsooki

For Myaamiaki 'Miami people' the moon helps us track the progress of a month. In Myaamia, we describe the moon growing like a plant during keešaakosita kiilhsa 'growing/waxing phases' and then dying away during peemineeta kiilhsa 'dying away/waning' phases.

Each month, the moon starts out as a thin sliver called saakiwa kiilhsa, which refers to the sprouting moon. For the next eleven evenings, the moon grows from saakiwa to waakhšinka kiilhsa 'crescent moon', napale kiilhsa 'half moon', naawi waawiyiisita 'almost full', and finally to waawiyiisita 'full moon'.

For the next fourteen days, you are more likely to see peemineeta kiilhsa 'waning phases' in the morning. Over this next period, kiilhsa will become napale neepiki 'half dead' and myaalisiwa kiilhsa 'seriously ill moon'. Eventually kiilhsa dies away and goes completely dark, and then sprouts again during the next moon.







ceeki aweeya iihkisaminki weenkhtankiki  
‘everybody loves maple sugar’

mahkoonsa kiilhswa 2022  
Young Bear Moon

photo by Doug Peconge

| eelaamini-kiišikahki | nkotakone      | niišakone      | nihsokone      | niiyakone      | yaalanokone                     | kaakaath-sokone                                                           |
|----------------------|----------------|----------------|----------------|----------------|---------------------------------|---------------------------------------------------------------------------|
|                      |                |                |                |                | 1<br><br>weehki-kihkatwe<br>2/4 | 2<br><br><br>2/5                                                          |
| 3<br><br>2/6         | 4<br><br>2/7   | 5<br><br>2/8   | 6<br><br>2/9   | 7<br><br>2/10  | 8<br><br>2/11                   | 9<br><br>2/12                                                             |
| 10<br><br>2/13       | 11<br><br>2/14 | 12<br><br>2/15 | 13<br><br>2/16 | 14<br><br>2/17 | 15<br><br>2/18                  | 16<br><br>Myaamia New Year<br>Celebration -<br>nooŋonke siipionki<br>2/19 |
| 17<br><br>2/20       | 18<br><br>2/21 | 19<br><br>2/22 | 20<br><br>2/23 | 21<br><br>2/24 | 22<br><br>2/25                  | 23<br><br>Myaamia New Year<br>Celebration -<br>kiihkayonki<br>2/26        |
| 24<br><br>2/27       | 25<br><br>2/28 | 26<br><br>3/1  | 27<br><br>3/2  | 28<br><br>3/3  | 29<br><br>3/4                   |                                                                           |





peehkahkia kiišhtootaawi  
‘let’s make beautiful things’

aanteekwa kiilhswa 2022  
Crow Moon

photos by Jonathan M. Fox  
artwork by Eugene Brown Memorial  
Art Show Participants

| eelaamini-kiišikahki | nkotakone      | niišakone      | nihsokone      | niiyakone                                         | yaalanokone    | kaakaath-sokone  |
|----------------------|----------------|----------------|----------------|---------------------------------------------------|----------------|------------------|
|                      |                |                |                |                                                   |                | 1<br><br><br>3/5 |
| 2<br><br>3/6         | 3<br><br>3/7   | 4<br><br>3/8   | 5<br><br>3/9   | 6<br>Language Day -<br>nooŝonke siipionki<br>3/10 | 7<br><br>3/11  | 8<br><br>3/12    |
| 9<br><br>3/13        | 10<br><br>3/14 | 11<br><br>3/15 | 12<br><br>3/16 | 13<br><br>3/17                                    | 14<br><br>3/18 | 15<br><br>3/19   |
| 16<br><br>3/20       | 17<br><br>3/21 | 18<br><br>3/22 | 19<br><br>3/23 | 20<br><br>3/24                                    | 21<br><br>3/25 | 22<br><br>3/26   |
| 23<br>3/27           | 24             | 25             | 26             | 27                                                | 28             | 29               |
| 30<br>4/3            | 3/28           | 3/29           | 3/30           | 3/31                                              | 4/1            | 4/2              |





neepwaaminciki myaamia  
mihši-nipwaantiikaaninki  
‘Myaamia students at Miami University’

cecaahkwa kiilhswa 2022  
Sandhill Crane Moon

photo by Karen L. Baldwin

| eelaamini-kiišikahki | nkotakone | niišakone | nihsokone | niiyakone | yaalanokone | kaakaath-sokone                             |
|----------------------|-----------|-----------|-----------|-----------|-------------|---------------------------------------------|
|                      | 1         | 2         | 3         | 4         | 5           | 6                                           |
|                      | 4/4       | 4/5       | 4/6       | 4/7       | 4/8         | Myaamiaki Conference - Miami University 4/9 |
| 7                    | 8         | 9         | 10        | 11        | 12          | 13                                          |
| 4/10                 | 4/11      | 4/12      | 4/13      | 4/14      | 4/15        | 4/16                                        |
| 14                   | 15        | 16        | 17        | 18        | 19          | 20                                          |
| 4/17                 | 4/18      | 4/19      | 4/20      | 4/21      | 4/22        | Spring Gathering - nooŋonke siipionki 4/23  |
| 21                   | 22        | 23        | 24        | 25        | 26          | 27                                          |
| 4/24                 | 4/25      | 4/26      | 4/27      | 4/28      | 4/29        | Spring Gathering - kiihkayonki 4/30         |
| 28                   | 29        |           |           |           |             |                                             |
| 5/1                  | 5/2       |           |           |           |             |                                             |





yaalanwi mateeni  
pipoonwe neepwaantiiyankwi  
‘learning from each other for 50 years’

wiihkoowia kiilhswa 2022  
Whipporwill Moon

photos by Miami University  
Communications and Marketing

| eelaamini-<br>kiišikahki | nkotakone | niišakone | nihsokone | niiyakone                                                | yaalanokone | kaakaath-<br>sokone |
|--------------------------|-----------|-----------|-----------|----------------------------------------------------------|-------------|---------------------|
|                          |           | 1         | 2         | 3                                                        | 4           | 5                   |
|                          |           | 5/3       | 5/4       | 5/5                                                      | 5/6         | 5/7                 |
| 6                        | 7         | 8         | 9         | 10                                                       | 11          | 12                  |
| 5/8                      | 5/9       | 5/10      | 5/11      | 5/12                                                     | 5/13        | 5/14                |
| 13                       | 14        | 15        | 16        | 17                                                       | 18          | 19                  |
| 5/15                     | 5/16      | 5/17      | 5/18      | Garden Day -<br>Planting -<br>nooŋonke siipionki<br>5/19 | 5/20        | 5/21                |
| 20                       | 21        | 22        | 23        | 24                                                       | 25          | 26                  |
| 5/22                     | 5/23      | 5/24      | 5/25      | 5/26                                                     | 5/27        | 5/28                |
| 27                       | 28        | 29        | 30        |                                                          |             |                     |
| 5/29                     | 5/30      | 5/31      | 6/1       |                                                          |             |                     |





sakinihkiinilo  
'hold my hand'

paaphsaahka niipinwiki 2022  
Mid-summer Moon

photo by Jonathan M. Fox

| eelaamini-kiišikahki | nkotakone                                                      | niišakone | nihsokone | niiyakone | yaalanokone                                                                         | kaakaath-sokone                                                              |
|----------------------|----------------------------------------------------------------|-----------|-----------|-----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
|                      |                                                                |           |           | 1         | 2                                                                                   | 3                                                                            |
|                      |                                                                |           |           | 6/2       | 6/3                                                                                 | 6/4                                                                          |
| 4                    | 5                                                              | 6         | 7         | 8         | 9                                                                                   | 10                                                                           |
| 6/5                  | 6/6                                                            | 6/7       | 6/8       | 6/9       | 6/10                                                                                | 6/11                                                                         |
| 11                   | 12                                                             | 13        | 14        | 15        | 16                                                                                  | 17                                                                           |
| 6/12                 | Eemamwiciki<br>Summer Programs -<br>noošonke siipionki<br>6/13 | 6/14      | 6/15      | 6/16      | 6/17                                                                                | 6/18                                                                         |
| 18                   | 19                                                             | 20        | 21        | 22        | 23                                                                                  | 24                                                                           |
| 6/19                 | 6/20                                                           | 6/21      | 6/22      | 6/23      | Cultural Education<br>Day & Miami Nation<br>Pow Wow -<br>noošonke siipionki<br>6/24 | Miami Nation<br>General Council<br>& Pow Wow -<br>noošonke siipionki<br>6/25 |
| 25                   | 26                                                             | 27        | 28        | 29        |                                                                                     |                                                                              |
| 6/26                 | 6/27                                                           | 6/28      | 6/29      | 6/30      |                                                                                     |                                                                              |





peelakahanki miincipi  
‘hulling corn’

# kiišiinkwia kiilhswa 2022

Green Corn Moon

photo by Karen L. Baldwin

| eelaamini-kiišikahki | nkotakone                                               | niišakone | nihsokone | niiyakone | yaalanokone                                 | kaakaath-sokone                                      |
|----------------------|---------------------------------------------------------|-----------|-----------|-----------|---------------------------------------------|------------------------------------------------------|
|                      |                                                         |           |           |           | 1                                           | 2                                                    |
|                      |                                                         |           |           |           | 7/1                                         | 7/2                                                  |
| 3                    | 4                                                       | 5         | 6         | 7         | 8                                           | 9                                                    |
| 7/3                  | 7/4                                                     | 7/5       | 7/6       | 7/7       | 7/8                                         | 7/9                                                  |
| 10                   | 11                                                      | 12        | 13        | 14        | 15                                          | 16                                                   |
| 7/10                 | 7/11                                                    | 7/12      | 7/13      | 7/14      | 7/15                                        | Garden Day - Harvest -<br>nooŋonke siipionki<br>7/16 |
| 17                   | 18                                                      | 19        | 20        | 21        | 22                                          | 23                                                   |
| 7/17                 | Eemamwiciki<br>Summer Programs -<br>kiihkayonki<br>7/18 | 7/19      | 7/20      | 7/21      | Summer Celebration<br>- kiihkayonki<br>7/22 | 7/23                                                 |
| 24                   | 25                                                      | 26        | 27        | 28        | 29                                          | 30                                                   |
| 7/24                 | 7/25                                                    | 7/26      | 7/27      | 7/28      | 7/29                                        | 7/30                                                 |



# Pyaakimina 'Persimmon Berry' Cake

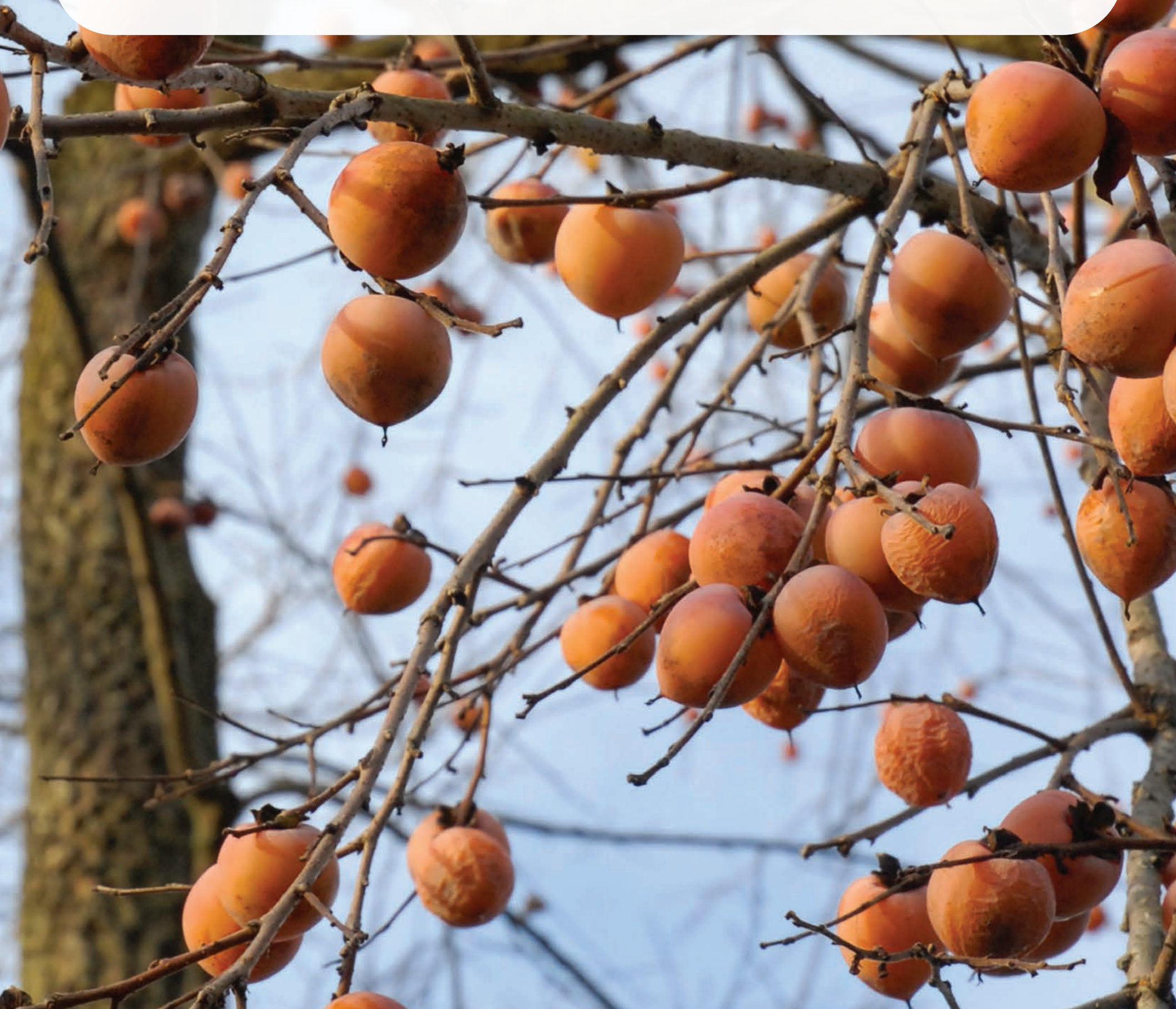
*Courtesy of Kayla Becker*

## Ingredients

1 2/3 cup sugar  
3/4 cups butter, softened, not melted  
1/2 cup persimmon pulp  
3 eggs  
1 tsp. vanilla  
1/2 cup buttermilk  
2 1/2 cups all purpose flour  
2 1/4 tsp. baking powder  
3/4 tsp. salt

## Instructions

1. Preheat the oven to 350 degrees.
2. Spray or butter a bundt, 9 X 13, or cupcake pan.
3. In a large bowl, cream together sugar and butter.
4. Mix in persimmon pulp.
5. Mix in eggs, one egg at a time.
6. Add vanilla and buttermilk; stir until mixed well.
7. In a separate bowl, whisk together flour, baking powder, and salt.
8. Add the dry ingredients to the wet ingredients and mix well.
9. Add cake batter to the prepared pan.
10. Bake in center of oven, until edges start to pull away from the pan and a toothpick inserted in the center comes out clean.
11. Allow to cool completely before icing with your favorite icing or glaze.







weeyaakiteeheciki myaamiaki  
'they are proud to be Myaamia'

# mihšiiwia kiilhsua 2022

Elk Moon

photo by Karen L. Baldwin

| eelaamini-kiišikahki | nkotakone | niišakone | nihsokone | niiyakone | yaalanokone | kaakaath-sokone |
|----------------------|-----------|-----------|-----------|-----------|-------------|-----------------|
| 1                    | 2         | 3         | 4         | 5         | 6           | 7               |
| 7/31                 | 8/1       | 8/2       | 8/3       | 8/4       | 8/5         | 8/6             |
| 8                    | 9         | 10        | 11        | 12        | 13          | 14              |
| 8/7                  | 8/8       | 8/9       | 8/10      | 8/11      | 8/12        | 8/13            |
| 15                   | 16        | 17        | 18        | 19        | 20          | 21              |
| 8/14                 | 8/15      | 8/16      | 8/17      | 8/18      | 8/19        | 8/20            |
| 22                   | 23        | 24        | 25        | 26        | 27          | 28              |
| 8/21                 | 8/22      | 8/23      | 8/24      | 8/25      | 8/26        | 8/27            |
| 29                   |           |           |           |           |             |                 |
| 8/28                 |           |           |           |           |             |                 |





peehkiciinaakosiciki  
‘finely dressed’

šaašaakayolia kiilhswa 2022  
Grass Burning Moon

photo by Scott Kissell - Miami University

| eelaamini-kiišikahki | nkotakone  | niišakone  | nihsokone  | niiyakone  | yaalanokone | kaakaath-sokone                                 |
|----------------------|------------|------------|------------|------------|-------------|-------------------------------------------------|
|                      | 1<br>8/29  | 2<br>8/30  | 3<br>8/31  | 4<br>9/1   | 5<br>9/2    | 6<br>9/3                                        |
| 7<br>9/4             | 8<br>9/5   | 9<br>9/6   | 10<br>9/7  | 11<br>9/8  | 12<br>9/9   | 13<br>9/10                                      |
| 14<br>9/11           | 15<br>9/12 | 16<br>9/13 | 17<br>9/14 | 18<br>9/15 | 19<br>9/16  | 20<br>9/17<br>Games Day -<br>nooŝonke siipionki |
| 21<br>9/18           | 22<br>9/19 | 23<br>9/20 | 24<br>9/21 | 25<br>9/22 | 26<br>9/23  | 27<br>9/24                                      |
| 28<br>9/25           | 29<br>9/26 | 30<br>9/27 |            |            |             |                                                 |





meeloniteeheelotawankwi myaamiaki  
aanchsahaaciki  
‘reflecting on Myaamia removal’

kiiyolia kiilhsua 2022  
Smoky Burning Moon

photo by Scott Kissell - Miami University

| eelaamini-kiišikahki | nkotakone | niišakone | nihsokone                                  | niiyakone                                          | yaalanokone | kaakaath-sokone                         |
|----------------------|-----------|-----------|--------------------------------------------|----------------------------------------------------|-------------|-----------------------------------------|
|                      |           |           | 1                                          | 2                                                  | 3           | 4                                       |
|                      |           |           | 9/28                                       | 9/29                                               | 9/30        | 10/1                                    |
| 5                    | 6         | 7         | 8                                          | 9                                                  | 10          | 11                                      |
| 10/2                 | 10/3      | 10/4      | 10/5                                       | Removal Day 1846<br>— Boats leave Peru, IN<br>10/6 | 10/7        | 10/8                                    |
| 12                   | 13        | 14        | 15                                         | 16                                                 | 17          | 18                                      |
| 10/9                 | 10/10     | 10/11     | 1846 —Boats depart Cincinnati, OH<br>10/12 | Storytelling Class - nooŋonke siipionki<br>10/13   | 10/14       | 10/15                                   |
| 19                   | 20        | 21        | 22                                         | 23                                                 | 24          | 25                                      |
| 10/16                | 10/17     | 10/18     | 10/19                                      | 1846 — Arrival at Bloody Island, IL<br>10/20       | 10/21       | Fall Celebration - kiihkayonki<br>10/22 |
| 26                   | 27        | 28        | 29                                         |                                                    |             |                                         |
| 10/23                | 10/24     | 10/25     | 10/26                                      |                                                    |             |                                         |





moošaki eelaamhtooyani kiiyawī, neehi kati  
šiišiiwiteeheemhkiki eeweemaciki  
‘believe in yourself and you will be strengthened by  
your Myaamia community’

# ayaapeensa kiilhswa 2021

Young Buck Moon

photos by Doug Peconge

| eelaamini-kiišikahki | nkotakone | niišakone                                           | nihsokone | niiyakone                                              | yaalanokone                                            | kaakaath-sokone |
|----------------------|-----------|-----------------------------------------------------|-----------|--------------------------------------------------------|--------------------------------------------------------|-----------------|
|                      |           |                                                     |           | 1                                                      | 2                                                      | 3               |
|                      |           |                                                     |           | 10/27                                                  | 10/28                                                  | 10/29           |
| 4                    | 5         | 6                                                   | 7         | 8                                                      | 9                                                      | 10              |
| 10/30                | 10/31     | 1846 — Arrival at<br>Wesport Landing,<br>MO<br>11/1 | 11/2      | 11/3                                                   | 1846 — Arrival at<br>Osage River Agency,<br>KS<br>11/4 | 11/5            |
| 11                   | 12        | 13                                                  | 14        | 15                                                     | 16                                                     | 17              |
| 11/6                 | 11/7      | 11/8                                                | 11/9      | 11/10                                                  | 11/11                                                  | 11/12           |
| 18                   | 19        | 20                                                  | 21        | 22                                                     | 23                                                     | 24              |
| 11/13                | 11/14     | 11/15                                               | 11/16     | An Evening at<br>MHMA -<br>nooŝonke siipionki<br>11/17 | 11/18                                                  | 11/19           |
| 25                   | 26        | 27                                                  | 28        | 29                                                     | 30                                                     |                 |
| 11/20                | 11/21     | 11/22                                               | 11/23     | 11/24                                                  | 11/25                                                  |                 |





niišwi alahsimaaki  
‘a pair of arm cuffs’

ayaapia kiilhswa 2022  
Buck Moon

photo by Doug Peconge  
artwork by Eugene Brown Memorial  
Art Show Participant

| eelaamini-kiišikahki | nkotakone       | niišakone       | nihsokone       | niiyakone       | yaalanokone     | kaakaath-sokone |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                      |                 |                 |                 |                 |                 | 1<br><br>11/26  |
| 2<br><br>11/27       | 3<br><br>11/28  | 4<br><br>11/29  | 5<br><br>11/30  | 6<br><br>12/1   | 7<br><br>12/2   | 8<br><br>12/3   |
| 9<br><br>12/4        | 10<br><br>12/5  | 11<br><br>12/6  | 12<br><br>12/7  | 13<br><br>12/8  | 14<br><br>12/9  | 15<br><br>12/10 |
| 16<br><br>12/11      | 17<br><br>12/12 | 18<br><br>12/13 | 19<br><br>12/14 | 20<br><br>12/15 | 21<br><br>12/16 | 22<br><br>12/17 |
| 23<br><br>12/18      | 24              | 25              | 26              | 27              | 28              | 29              |
|                      | 12/19           | 12/20           | 12/21           | 12/22           | 12/23           | 12/24           |





neepwaantiaanki eeweemaacili  
'learning as a family'

mahkwa kiilhswa 2023  
Bear Moon

photo by Scott Kissell - Miami University

| eelaamini-kiišikahki | nkotakone      | niišakone                            | nihsokone      | niiyakone      | yaalanokone    | kaakaath-sokone                                      |
|----------------------|----------------|--------------------------------------|----------------|----------------|----------------|------------------------------------------------------|
| 1<br><br>12/25       | 2<br><br>12/26 | 3<br><br>12/27                       | 4<br><br>12/28 | 5<br><br>12/29 | 6<br><br>12/30 | 7<br><br>12/31                                       |
| 8<br><br>1/1         | 9<br><br>1/2   | 10<br><br>1/3                        | 11<br><br>1/4  | 12<br><br>1/5  | 13<br><br>1/6  | 14<br><br>1/7                                        |
| 15<br><br>1/8        | 16<br><br>1/9  | 17<br><br>1/10                       | 18<br><br>1/11 | 19<br><br>1/12 | 20<br><br>1/13 | 21<br>Makerspace Day -<br>nooŝonke siipionki<br>1/14 |
| 22<br><br>1/15       | 23<br><br>1/16 | 24<br>mihšihkinaahkwa<br>Day<br>1/17 | 25<br><br>1/18 | 26<br><br>1/19 | 27<br><br>1/20 | 28<br><br>1/21                                       |
| 29<br><br>1/22       | 30<br><br>1/23 |                                      |                |                |                |                                                      |





kapootwe kati neeyolaankiki 'we'll see you soon!'

## mihši-neewe

This calendar is a culmination of much work made possible by tremendous support from several individuals and organizations. We would like to express our thanks to the Miami Nation and Miami University for supporting our efforts through the Myaamia Center at Miami University. A list of all the individuals who have worked on this calendar over the years can be found at [MiamiOH.edu/myaamiacenter](http://MiamiOH.edu/myaamiacenter).

Front Cover Photo: Doug Peconge  
Back Cover Photo: Doug Peconge  
Top Photo: Kristina Fox  
Bottom Photo: Jonathan M. Fox

kaanseenseepiwi ‘Ohio River’, Perry County, IN





