

Africanized honeybee  
(*Apis mellifera*) on  
orange flower

Bees are essential for agriculture and ensure an increase in production by different percentages for many crops, as well as better quality fruits. In this sense, the adoption of agriculture practices friendly to these pollinators results in significant benefits for biodiversity and farmers. This calendar presents some crops that benefit, at different levels, from the pollination by bees and some of the species that provide this service effectively.

2025



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JAN | 01

The apple is highly dependent on cross-pollination to produce fruits. The Africanized honey bee is a good pollinator and is used by producers through the rental of hives.

1 - New Year's Day

SUN	MON	TUE	WED	THU	FRI	SAT
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8





2025

FEB | 02

Pollination of tomatoes can occur through vibration from the wind, rain, and other impacts. However, pollination by bees increases the production, size, and weight of the fruits.

SUN	MON	TUE	WED	THU	FRI	SAT
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1
2	3	4	5	6	7	8

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**MAR | 03**

The productivity of the pear orange can increase by 35% with the presence of bees, resulting in heavier and sweeter fruits. The production of orange blossom honey, one of the most appreciated for its mild flavor, makes the crop a great ally of beekeeping.

4 - Carnival  
8 - International Women's Day  
20 - World Agriculture Day

SUN	MON	TUE	WED	THU	FRI	SAT
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5



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APR | 04

When there are no pollinators, sweet passion fruit producers need to use their fingers to transfer pollen between flowers, which is much more costly than relying on the free service of cross-pollination provided by large bees.

A.B.E.L.H.A.'s Anniversary  
 7 - World Health Day  
 18 - Good Friday  
 19 - National Indigenous Peoples' Day  
 20 - Easter  
 21 - Tiradentes's Day

SUN	MON	TUE	WED	THU	FRI	SAT
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

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MAY | 05

Arabica coffee flowers are self-pollinating, but studies have shown that visits from bees can increase coffee production by up to 30%. The adoption of assisted pollination with Africanized honey bee improves the quality of the beans, making the beverage more flavored.

1 - Labor Day  
11 - National Mothers' Day  
20 - World Bee Day  
22 - National Beekeeper's Day  
22 - International Day for Biological Diversity

SUN	MON	TUE	WED	THU	FRI	SAT
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7





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JUN | 06

Soybean flowers typically self-pollinate even before fully opening. However, the presence of bees in open flowers, such as Africanized honey bee and wild bees, brings benefits, resulting in an average 17% increase in production, more pods per plant, and more seeds per pod.

3 - National Environmental Education Day  
5 - World Environment Day  
19 - Corpus Christi  
21 - National Honey Day

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12

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**JUL | 07**

It is possible to produce strawberries with wind pollination, but if the flower receives visits from different species of bees, it develops into a well-formed fruit that is heavier, sweeter, and has a longer shelf life.

17 - National Day for Forest Protection  
28 - World Nature Conservation Day  
28 - National Farmer's Day

SUN	MON	TUE	WED	THU	FRI	SAT
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9



**2025**

**AUG | 08**

The fruiting of açai is highly dependent on cross-pollination between flowers. Small native bees are good pollinators of its flowers, including stingless bees, besides other insects.

9 - International Indigenous Peoples' Day  
10 - National Fathers' Day

SUN	MON	TUE	WED	THU	FRI	SAT
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

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## SEP | 09

Melons are essentially dependent on pollinators, with several species of bees providing this service, but the Africanized honey bee is the primary one. Managed by producers, hives are used to increase production and improve the size and weight of the fruits.

3 - National Biologist's Day  
 7 - National Independence Day  
 21 - National Tree's Day

SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11



2025

OCT | 10

Achiote (or annatto) is highly dependent on cross-pollination to produce fruits. It is pollinated by a combination of bees that vibrate the flowers, resulting in greater production, heavier fruits, and more seeds.

Brazilian Science, Technology and Innovation Month  
3 - National Bee Day  
4 - National Animal's Day and National Nature's Day  
12 - Holy Day Of Brazil's Patron Saint  
12 - National Day of Agriculture  
16 - World Food Day

SUN	MON	TUE	WED	THU	FRI	SAT
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8



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NOV | 11

The Africanized honey bee is the main pollinator of watermelon, a crop that is essentially dependent on pollinators. Managed by producers, hives are used to increase production and improve the weight and sweetness of the fruits.

2 - All Soul's Day  
15 - Proclamation of the Republic  
20 - National Black Awareness Day

SUN	MON	TUE	WED	THU	FRI	SAT
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6



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DEC | 12

The Africanized honey bee and species of wild bees visit peach tree flowers and complement each other in pollination, resulting in more and higher-quality fruits. Peaches are highly dependent on pollinators.

25 - Christmas Day

SUN	MON	TUE	WED	THU	FRI	SAT
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

# A.B.E.L.H.A<sup>®</sup>

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### References:

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 Giannini et al. (2020) Unveiling the contribution of bee pollinators to Brazilian crops with implications for bee management.  
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