



Credit: Denise Araujo Alves

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



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

2025

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

2025

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



2025

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

2025

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



2025

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

2025

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



2025

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.

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

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



2025

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

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References:

- BPBES/REBIPP (2019) Relatório temático sobre polinização, polinizadores e produção de alimentos no Brasil.
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