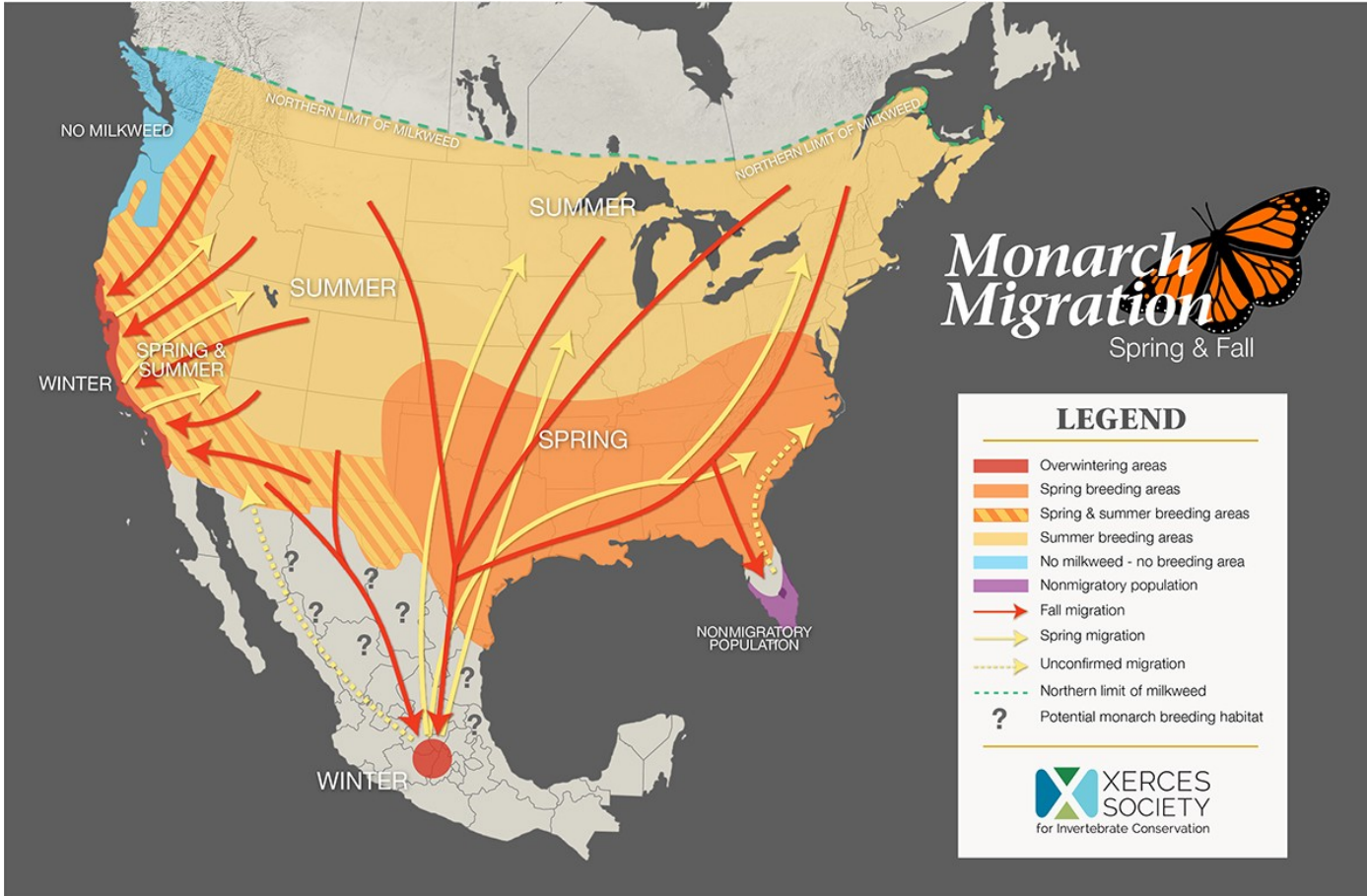


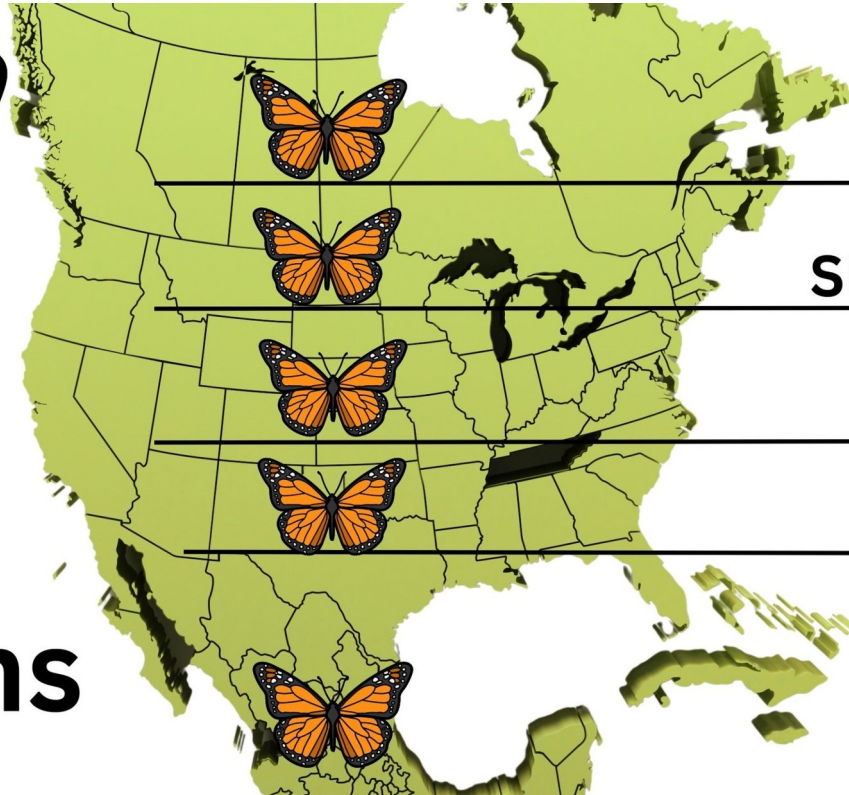
The Monarch Butterfly Migration Mystery Through Citizen Science Observations



The Re-migrants Monarch Butterfly Northbound



Monarch Generations



**4th Generation
SUPER GENERATION**

3rd Generation

2nd Generation

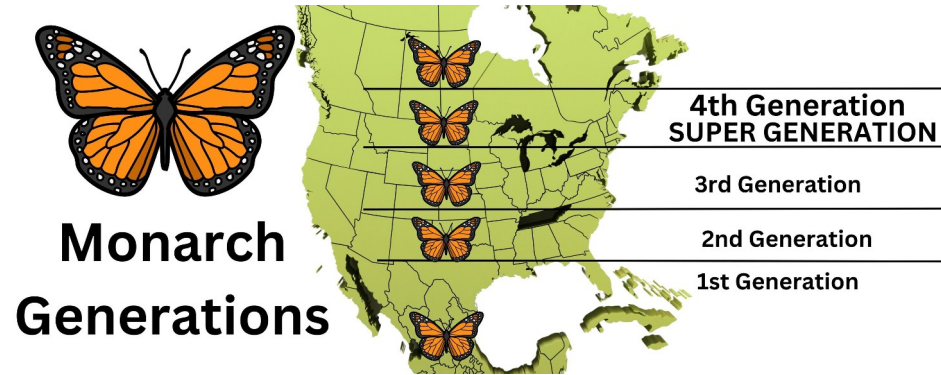
1st Generation

First Generation Born Down South

Due to the fact that some folks raise Monarchs during the first generation down south, do we really know what % are **Wild** or **Reared** before heading north?

As they move north how many **Wild** have mated with **Reared**? How many **Wild** have mated with other **Wild** and how many **Reared** have mated with other **Reared**?

(How many in % is **UNKNOWN**)

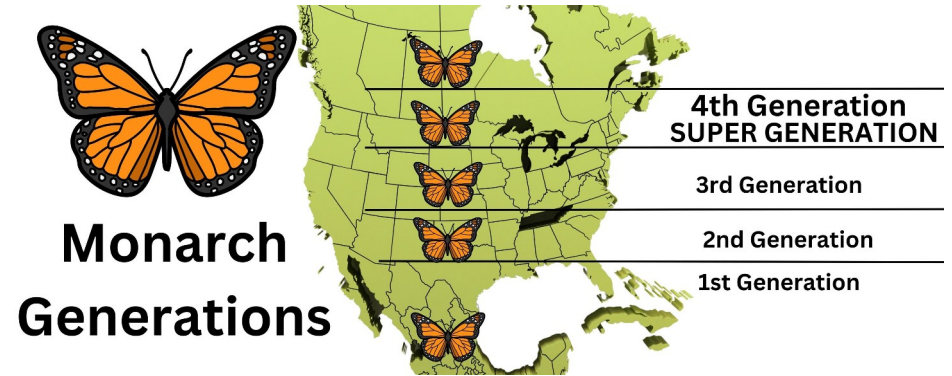


Second Generation as it Moves North

By the mixed numbers between **Wild** and **Reared** coming from south and with more folks raising them in this latitude, what % are really **Wild** or **Reared** before moving north?

As they move north how many **Wild** have mated with **Reared**? How many **Wild** have mated with **Wild** and how many have mated between **Reared** with **Reared**?

(How many in % is **UNKNOWN**)



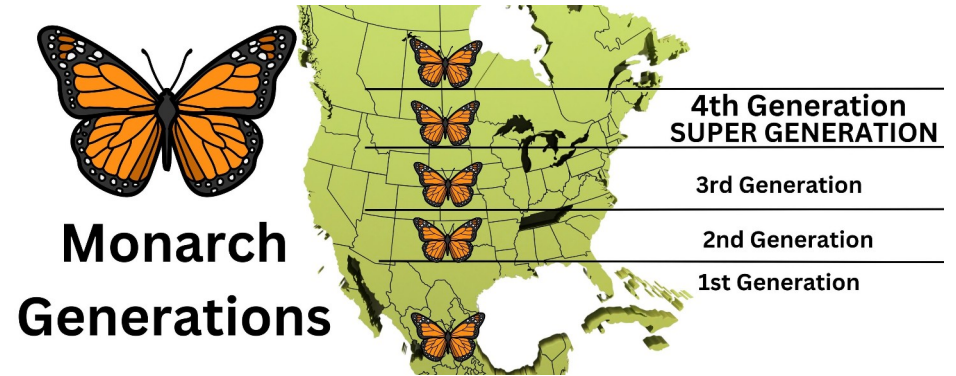
Third Generation as it Moves North

By the mixed numbers between **Wild** and **Reared** coming from the First and Second Generation and with more folks raising them in this latitude, what % are really **Wild** or **Reared** before moving north?

As they move north how many **Wild** have mated with **Reared**? How many **Wild** have mated with **Wild** and how many have mated between **Reared** with **Reared**?

(How many in % is UNKNOWN)

By this time the numbers are in the Millions



Fourth Generation Born (Migratory One)

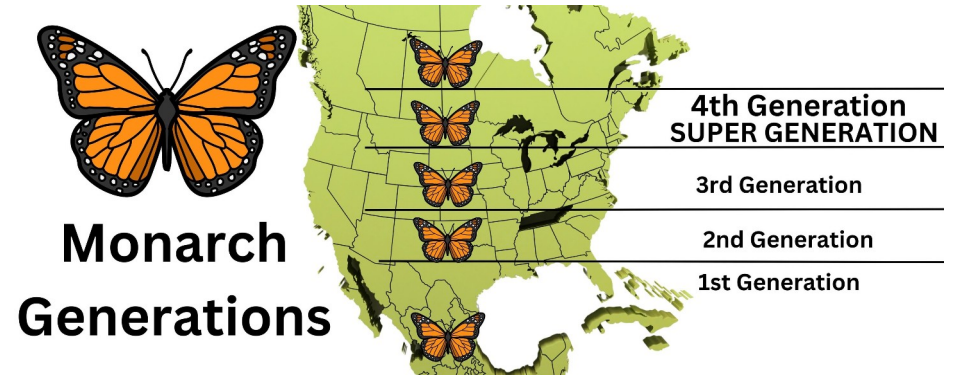
By the mixed numbers between **Wild** and **Reared** coming from the **First, Second** and **Third Generation** and with more folks raising them in this latitude, what % are really **Wild** or **Reared** before **Migrating**?

(How many in % is UNKNOWN)

Considering all these home raising activities that took place in previous latitudes as they moved north, how can anyone be sure which are really **Wild** or **Reared** at this point?

- How many Millions of Monarchs got to this point due to **Home Rearing Activities**?

(How many in % is UNKNOWN)



The Tagging Mystery # 1

As far as we know all tags that have been applied to migratory Monarchs with an **R** (meaning **Reared**) was done by folks who have raised them. While others by folks who captured them through parks, public gardens and roosting trees along the migratory route and have tagged as **W** (meaning **Wild**).

Considering the hundreds of thousands of Monarchs raised during the previous three generations all across their breeding grounds, how can anyone actually be sure that the **Wild** tagged or the **Reared** are really accurate 100%?

(It is Impossible for anyone to know the difference).

In that case, how accurate is the data that has been collected and recorded.

The Tagging Mystery # 2

How many folks who raise Monarchs are really tagging all their migratory ones?

Even among those tagged as **Reared** could have been pure **Wild** until their eggs were home raised in the fourth generation. (**Migratory**).

In all essence, it would seem logical to think that among all the millions of Monarchs gathering together to migrate to Mexico there isn't real scientific data of how many are really pure **Wild** or pure **Reared**. (% **UNKNOWN**).

In that case, all the tags recovered in Mexico could have given science inaccurate data that shows only the **Wild** tagged made the migration while the **Reared** didn't for whatever reasons. (Or very few **Reared** ever made it to Mexico).

The Home Rearing Question # 1

Given the facts that the scientific data could have been inaccurate for a long time, some regular folks who have been involved in raising Monarchs are constantly asking themselves: why science never acknowledges that our work and efforts are actually directly or indirectly helping increase the migration numbers?

Monarchwatch, Monarchjointventure, and Xerces Society have always suggested the planting milkweed and more nectar flowers, and only recommends the **Rearing** of just a few Monarchs for class room projects or for educational purpose only. It seems like they're all together on the same message that **Rearing** doesn't help the migratory count regardless. **Really?**

The One Man Science

Besides the three major Monarch conservationists sites who are against us, now we have to deal with a scientist who's trying to go against not only other scientists studies, but he's actually telling us to stop **Rearing** all together in the name of his own and few scientist friends findings. He uses **Rearing, Oe, and Tropical milkweed** plants being the main reason for the Monarch high mortality.

He's obviously concentrating on how to "crack the Facebook nut" by having his followers sharing his science among the Facebook groups involved with the Monarch conservation.

Even though many other scientists have done studies and researches on different options to combat his favorites subjects above, he simply ignores them all to push his own studies as if they are the only ones that really matters: "**Do not rear**" and "**remove all tropical milkweed.**"

Most of us always thought that scientists did their work from labs, and or by publishing their findings from a blog page or from a scientific community where scientists usually shares and compare their own studies. Many folks are really shocked to see a scientist who prefers the Facebook platform to have his own scientific findings shared by his members in exchange of some special reward.

To find more about his scientific methods: [CLICK HERE](#)

The Home Rearing Question # 2

Considering the following stats, how can the Monarch butterfly possibly bounce back to a sustainable number during the migration on its' own?

- 1) 95-97% Eggs-larvae loss to predators of various types.
- 2) Lack of nectar going south due to climate change.
- 3) Insecticides and Herbicides Spraying.
- 4) Loss of habitat due to construction, farming, etc...
- 5) Unknown % due to road kill, storms, flying weaknesses, disease, etc...
- 6) 15% mortality at the wintering sites due to cold spells, freezing rain, and a few by bird predators like Black-headed Grosbeak, Black-backed Oriole, Black-eared mouse, and Praying Mantis.

Many experts and citizen scientists truly believe that without the human intervention we could eventually loose our Monarch migration.

The Real Questions

If this theory of ours makes any sense to you, would you be willing to start raising just a few Monarch and teach others how to do it properly to help the Monarch migration numbers?

If it doesn't, are you willing to wait another thirty years of tagging, lab work findings, more studies, and another million milkweed and nectar flower plants to prevent less Monarch losses in order to increase the migration numbers?

After all, the 6 major causes for the Monarch declining numbers that are facing today will always be around and maybe even increase as time goes on due to more loss of habitat, worsening climate change, etc... And today we couldn't possibly stop them from happening in the future except **ONE**.

The 95-97% Eggs-larvae loss to predators of various types. By reversing these odds we may have a better chance to increase the migration to more sustainable numbers going to Mexico. By sending bigger numbers south, we can always hope for bigger numbers coming north the following spring. Let us show you the proper way to do it, and your garden will always have more Monarchs on a daily basis.

The Conclusion

You can also verify about the huge amount of folks involved in rearing Monarch by simply visiting one Facebook group called The Beautiful Monarch with over 100.000 members, plus the [Butterflyman Leaders](#) (300.000 members)

Furthermore you can also Google search for:

[Monarch butterflies Facebook groups](#) (You will find over a million)

These theories are based on common sense of a retired house painter without any English language education and a bad Italian accent, after asking a simple question to experts and scientists in 2022 and not getting a clear **ANSWER** we decided to investigate further. We are willing to work with any Monarch expert or scientist with an open mind to research further into this topic, and a few others that are in the works.

(Just for the love of the Monarch butterfly). **Any takers?**

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