Necessity of Transgenic Research: All is well that ends well

Do plants also support the transgenic research? It appears so from the conversation between a perennial (P) and the Arabidopsis (A and A3) plants in the laboratory. This is what I heard during my research-

A: What a relief in lab. It is almost 4 weeks and this guy (a research student, S) has given me nutrients and water from time to time, and provided me a constant conducive environment. If he is taking so good care of me how nicely he would take care of his family.

P: You silly plant! To take care of his family, he needs to have a family first. I have not seen in eons that this idiot has gone outside from the lab. I wonder when we are asleep, even then this guy goes to his house or doing some shitty research work.

A: Why are you referring him with bad words? Didn’t you see how nice he treats us?

P: Just wait till the time of your bolting!

Bolting time came...

A: Hey hey S, why are you nipping me? Please don’t, it hurts me.

P: Don’t worry, you will bear more flowers by this cruel act.

A: Oh, then it is okay. See, I told you how good he is.

P: Wait till you fully flower!

Flowering time came...

A: Look P, this guy brought soup for me today. Seems a lucullan feast for me.

P: This is not a soup. This is bacteria (Agrobacterium) and this will change your life.

A: Hey S, why are you dipping my flower in this soup. It’s suffocating and yukky, please don’t subject me to this ordeal. Who told you to do this to me?

P: Clough and Bent..Hahaha......

A: Thank God it lasted for only a minute!

P: This one minute will change your life. You will not be anymore what you originally were.

A: Hey S, why are putting me dark, it is day time!!!.

P: After major operation, one needs some rest. Sleep well for 24 hours

After few days......

A: I do not feel much different and thank god that except that one day, this guy treated me the whole life very well. I will give him lots of seeds and I wish him good life.

After 3 generation, the great grandson (A3, homozygous for transgene) of A...

A3: What a relief in lab. It is almost 3 weeks and this guy has given me nutrients and water from time to time and provided me a constant conducive environment. If he is taking so good care of me how nicely he would take care of family.

P: No doubt that you are a lineage of A. The memory in genetic code is same as I heard these identical words from your parents and also from their parents. Rather the two generations just above you had a good life. All through their life, they enjoyed their life without any problem (experiments) but son, your life is going to be miserable as you are now Homozygous for the gene that was inserted in your great Grandparent.

Beginning of experiments...

A3: Hey S, are you out of your mind. Sometimes, you are giving me too much salt, other times heat, cold, UV, oxidative stress, extended dark, intense light, different hormones and what not!!!!! Seems you are unloading all your stresses on me that your supervisor loads on you. First you changed the genome of my lineage and now subjecting me to all this unbearable torture! This is completely
unacceptable; just somehow let one of my seed out from the lab; the grown plant will lodge a
complaint with activist. I will ensure that all your transgenic studies are put to an end.

After few days...
P: Look son (A3), your unaltered ancestors (Wild Type) who were subjected to similar stresses could
not sustain and they either succumbed to death or permanently got paralyzed. However, due to
integration of that one gene you survived all this suffering. The future beholds these suffering
climate and only the fittest will survive. Now, you are prepared for the adverse conditions of future
and your story will be written in Golden letter in some very reputed journal. Despite of you being
a weed, in coming years all the crops will be indebted to you and your parents for showing them
the way for their survival in future.
A3: Is it so?
P: Yes and this change will change the life of this guy also. Now he will no more be an ordinary guy
but soon will become Dr Guy.
A3: P uncle, I am too happy because ‘all is well that ends well’.