

To be part of our survey, you must be at least 14 years old.

Q1) Based on **what you know now** about how gene drive might be used to manage agricultural pests, do you think gene drive research should or should not be pursued? *(Please circle one choice)*

1. Gene drive research should be pursued	2. Gene drive research should not be pursued	3. Not Sure
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Q2)

	1. Before today, how much do you think you knew about...				2. Now, I think I know...			
	1 = nothing at all	2	3	4 = a lot	1 = nothing at all	2	3	4 = a lot
a. What a gene drive is	1	2	3	4	1	2	3	4
b. Why a gene drive might be used to manage agricultural pests	1	2	3	4	1	2	3	4
c. Potential trade-offs of gene drive for managing agricultural pests	1	2	3	4	1	2	3	4

Q3) How much do you **trust** the organizations or groups listed below to make decisions about gene drive for agricultural pests?

	1 = completely distrust	2	3	4	5 = completely trust	Don't Know
a. USDA (U.S. Department of Agriculture)	1	2	3	4	5	6
b. TDA (Texas Department of Agriculture)	1	2	3	4	5	6
c. FDA (U.S. Food and Drug Administration)	1	2	3	4	5	6
d. EPA (U.S. Environmental Protection Agency)	1	2	3	4	5	6
e. Extension Agents and Program Specialists	1	2	3	4	5	6
f. University scientists	1	2	3	4	5	6
g. Agriculture industry	1	2	3	4	5	6
h. Biotechnology industry	1	2	3	4	5	6
i. Environmental groups	1	2	3	4	5	6
j. Animal rights groups	1	2	3	4	5	6
k. Religious leaders	1	2	3	4	5	6
l. Voters	1	2	3	4	5	6

Q4) How **important** do you think each of the following factors should be when making decisions about developing gene drive for agricultural pest management?

	1 = extremely unimportant	2	3	4	5 = extremely important
a. Overall effect on the U.S. economy	1	2	3	4	5
b. Overall effect on the Texas economy	1	2	3	4	5
c. Overall effect on earnings for myself and my family	1	2	3	4	5
d. U.S. world leadership in developing new technologies	1	2	3	4	5
e. Overall effect on plants or animals	1	2	3	4	5
f. Overall effect on the environment (air, water, soil)	1	2	3	4	5
g. Overall effect on the health of agricultural workers	1	2	3	4	5
h. Degree of scientific certainty that a gene drive will have the intended results	1	2	3	4	5
i. Degree of scientific certainty that a gene drive will NOT result in something unexpected	1	2	3	4	5
j. Beliefs about our right to change plant or animal genomes	1	2	3	4	5

Please turn over and complete side 2



Q5) Based on your understanding, which of the examples below **qualify as a gene drive?**

a. The mass release of sterile insects to reduce the number of them born in the next generation	1. Yes	2. No	3. Not Sure
b. Changing the genes of a beetle so that it can pass on an engineered gene to most of its offspring	1. Yes	2. No	3. Not Sure
c. Adding a gene to a weed to make it glow red in the laboratory	1. Yes	2. No	3. Not Sure
d. A genetic change that in a few generations changes pests that eat cotton so that they do not like the taste of it	1. Yes	2. No	3. Not Sure

Q6) How **comfortable** would you be if there were a gene drive as part of a pest management program released in your neighbor’s backyard or field?

1 = Extremely Uncomfortable to 5 = Extremely Comfortable				
1	2	3	4	5

Q7) A gene drive could have the potential to spread into other related species, possibly affecting beneficial insects and crop plants or affecting key species in the ecosystem.

a. How **concerned** are you about these kinds of potential outcomes?

1 = Extremely Unconcerned to 5 = Extremely Concerned				
1	2	3	4	5

b. How **likely** does it seem to you that these kinds of potential outcomes would actually happen?

1 = Extremely Unlikely to 5 = Extremely Likely					Not Sure
1	2	3	4	5	6

Q8a) A gene drive could have the potential to manage pests in a more effective and less costly way (such as by needing less pesticide). How **important** to you are these kinds of potential outcomes?

1 = Extremely Unimportant to 5 = Extremely Important				
1	2	3	4	5

Q8b) How **likely** does it seem to you that a gene drive would actually manage pests in a more effective and less costly way?

1 = Extremely Unlikely to 5 = Extremely Likely					Not Sure
1	2	3	4	5	6

Q9) How **interested** are you in learning more about the following topics related to gene drive?

	1 = not interested to 5 = extremely interested				
a. Economic costs and benefits	1	2	3	4	5
b. Science of how gene drive works	1	2	3	4	5
c. Potential ecological outcomes of introducing gene drive	1	2	3	4	5
d. How the government might regulate gene drive	1	2	3	4	5
e. Comparison of gene drive to current pest management methods	1	2	3	4	5
f. Other (please list):					

Q10) If you would like to share any thoughts or questions about gene drive or this session, please write them below.
