

1. How might spraying pesticides actually result in having more pests in a field?
2. Draw a diagram showing the trophic levels from your response of #1 above, including drawings of the specific insects and stage of life (egg, larva, adult, etc).
3. List 3 or 4 characteristics or attributes of Integrated Pest Management (IPM). The last one is very important!!
4. Can a rice plant take a lot of damage and still be not suffer yield loss? If so, about how much damage, stated as a percent?

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2. What is the non-pesticide solution to reducing the population of this pest in rice fields?

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1. What is said, directly or indirectly, about the nitrogen cycle?
2. What were some characteristics of the Green Revolution, as mentioned in this video segment?
3. How is nitrogen applied to fields, and in what form?
4. About how much, as a percentage, of the nitrogen stays on the field? What happens to the rest?
5. What role did the Credit Unions play in farmer decisions regarding fertilizer use in the Yaqui Valley?
6. What did the Green Seeker detect (2 things)?
7. Draw a field with a nitrogen rich strip down the middle. Explain how Green Seeker data from this strip was used to limit nitrogen in the OTHER part of the field.

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