

3rd Agricultural Revolution (Green Revolution)

1. Green Revolution, 20th Century
2. _____: Father of Green Revolution
3. Beginning: Varying dates of actual beginning of the revolution, but many estimate it around _____ (_____).
Borlaug was in Mexico in _____ to produce more in the rural areas.
Borlaug was granted funding by the _____ Foundation to help spread the technology to developing nations. First called Green Revolution in _____.
4. _____ region in India.
5. The _____ region of India was to be the test site for new technology.
_____ a semi-dwarf _____ produced more grains when grown with certain fertilizers and irrigation. From 1960s-1990s yields have _____, also prices have dropped from \$550 per ton to \$ _____ per ton. India is now one of the world's most successful _____ producers and a major _____.
6. Africa
7. Africa has had several attempts using the _____ or High-Yield Varieties, but none have been a _____. Reasons: _____, lack of _____, lack of water and _____, lack of _____ farmers. _____-New Rice for Africa, could double yields but no real _____ story yet.
8. _____ or IR8.
9. Cross Breeding Plants: Selective Breeding: _____ Engineering.
10. Technologies: _____, Irrigation projects, _____ nitrogen. Cross breeding corn, wheat, rice to create _____.
_____ genetics have changed shape and size to support the different grains.
11. India Wheat production since 1965: _____

12. Production: _____ in developing nations from 1961-1985. This can ease _____ aid to developing nations. _____ % increase in caloric intake in developing nations.
13. Negatives: Farms now more addicted to _____.
_____ developed. Ecological demands- _____, soil, water. _____ change, lack of _____. _____ farmer vs. _____/Agribusiness.
14. India 2000 drought
15. Water Usage: has _____ worldwide since Green Revolution. Extreme water intensive plants using high tech _____ causing drain on tributaries and major water sources. Example: SW USQA uses _____ % of our water but only receives _____ % rainfall. Also water _____ decreasing-salinization, oxygen depletion due to _____ growth.
16. Project Water Shortages