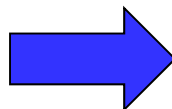


# CLIMATE, ENERGY, ENVIRONMENTAL, SOCIAL AND ECONOMIC IMPACT OF THE SELECTED WGIN TRAIT RESEARCH OBJECTIVES

## WGIN research objectives on targeted traits:

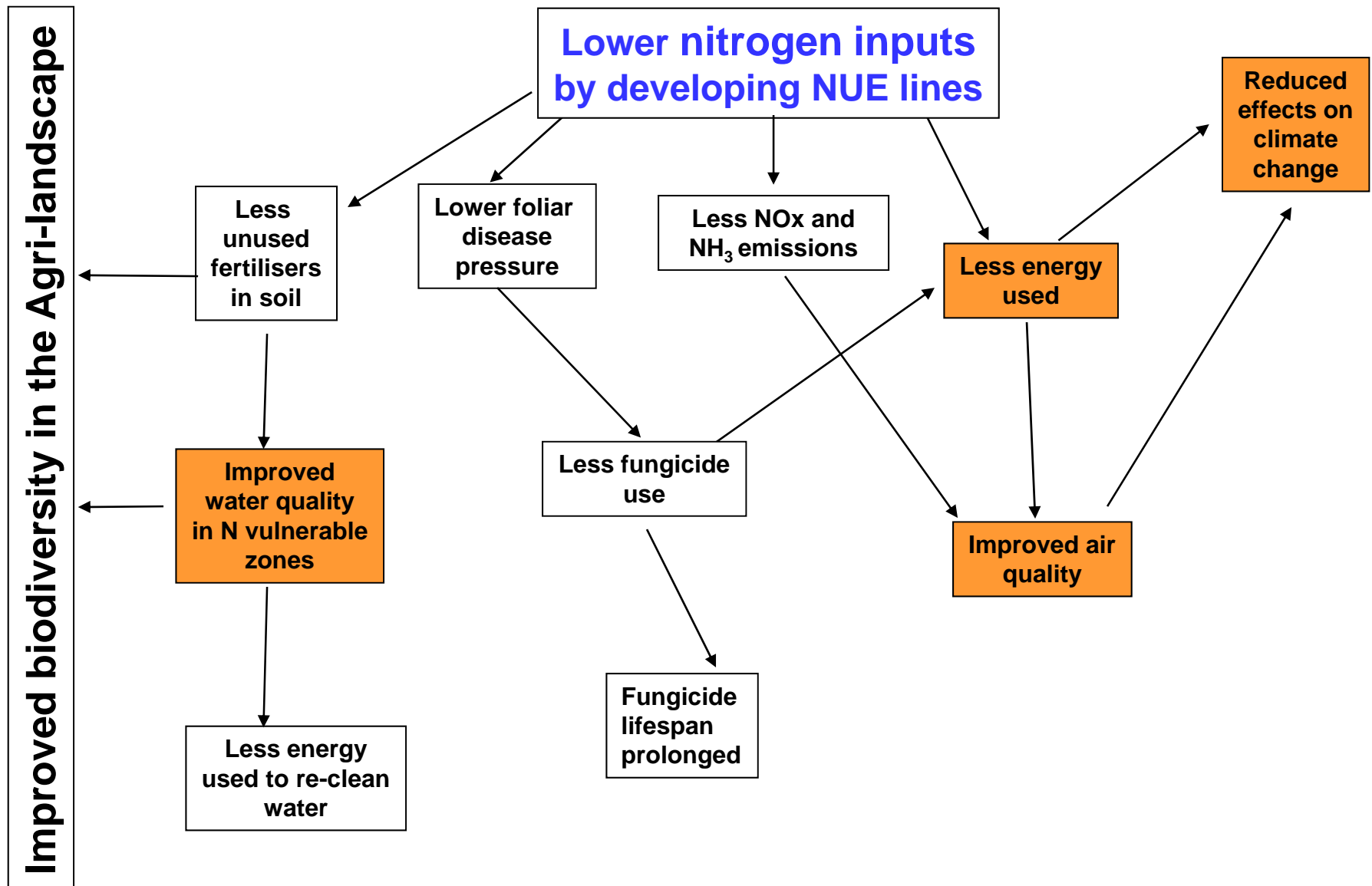
7. Insect resistance
8. Nitrogen use efficiency
9. Drought tolerance
10. Take-all disease reduction
11. Septoria blotch resistance
12. The three combined soil traits (8, 9 and 10)



## Potential Impacts:

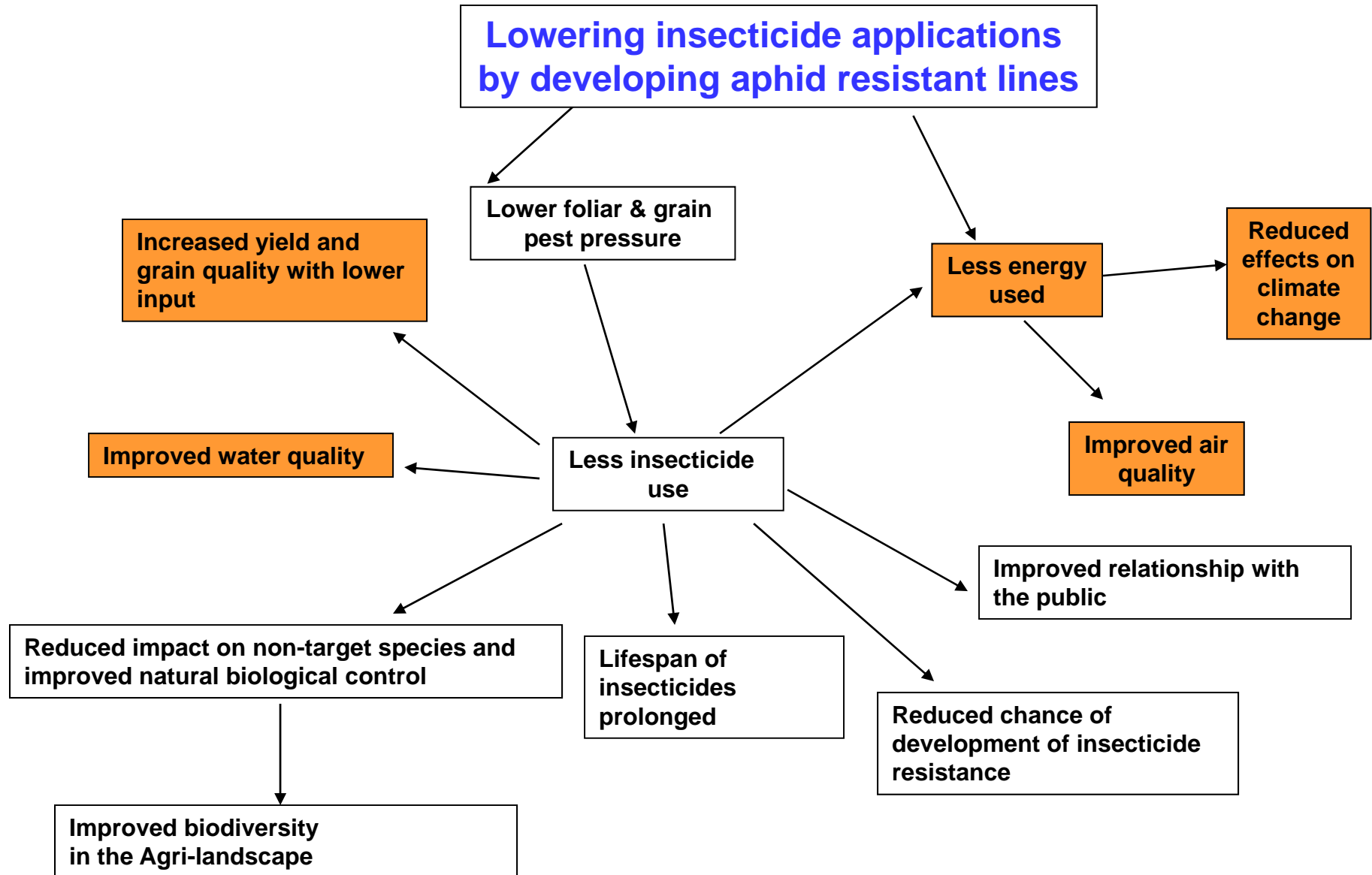
- Climate change adaptation
- Climate change mitigation
- Energy reduction
- Improved soil quality
- Improved water quality
- Improved air quality
- Yield sufficiency
- Yield stability
- Improved grain quality
- Improved food and feed security

# IMPACT NETWORK - NITROGEN USE EFFICIENCY

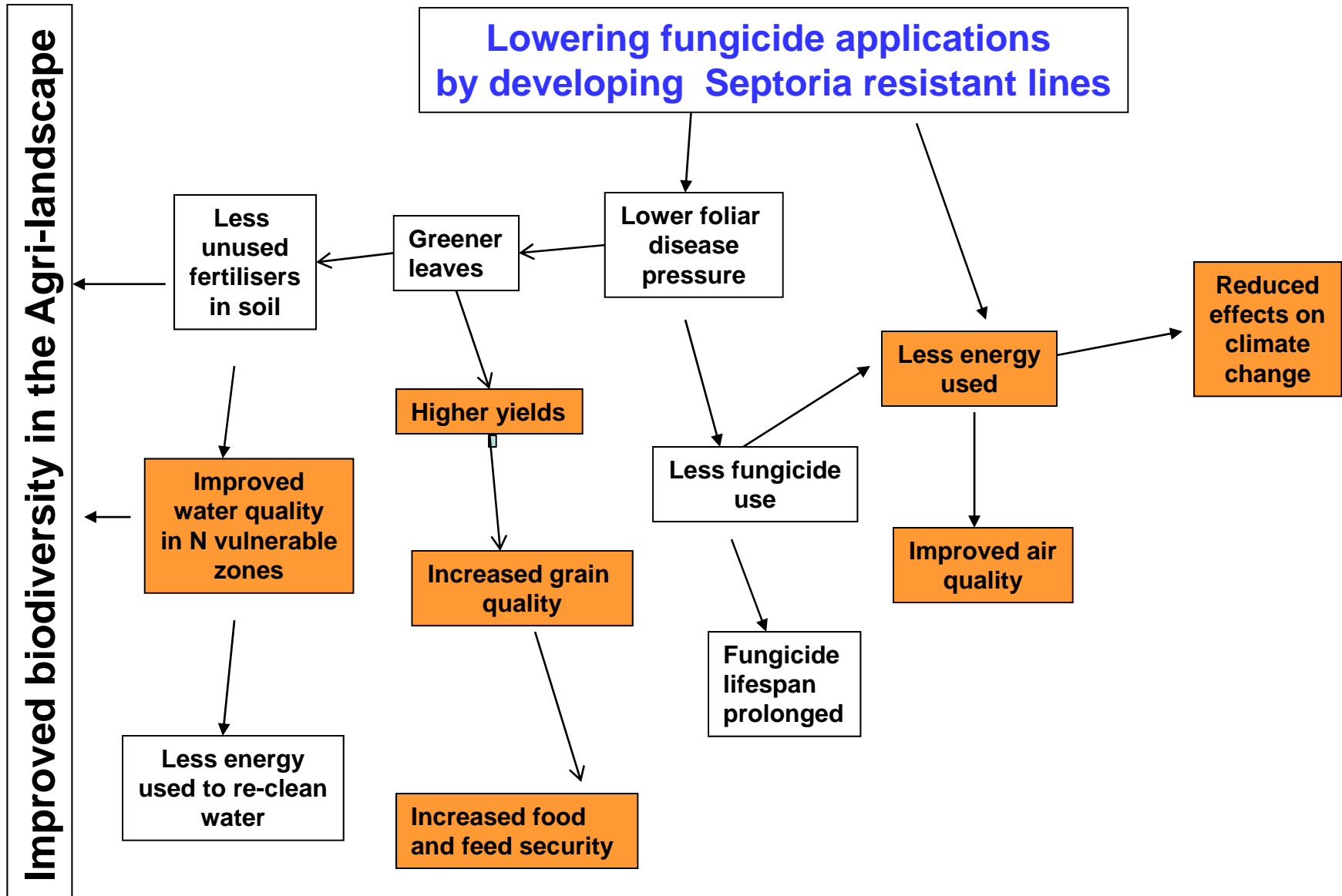


# IMPACT NETWORK - INSECT RESISTANCE

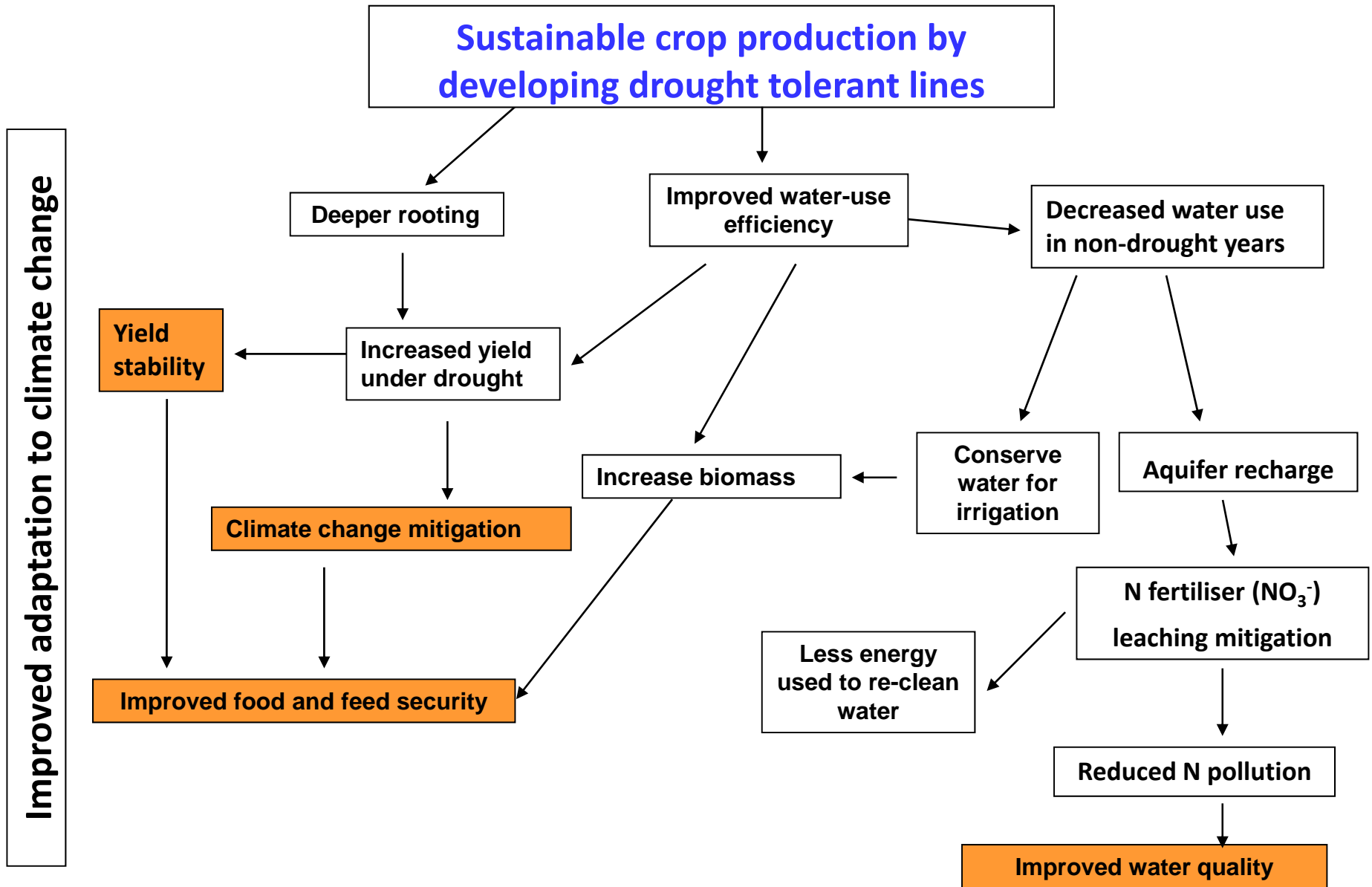
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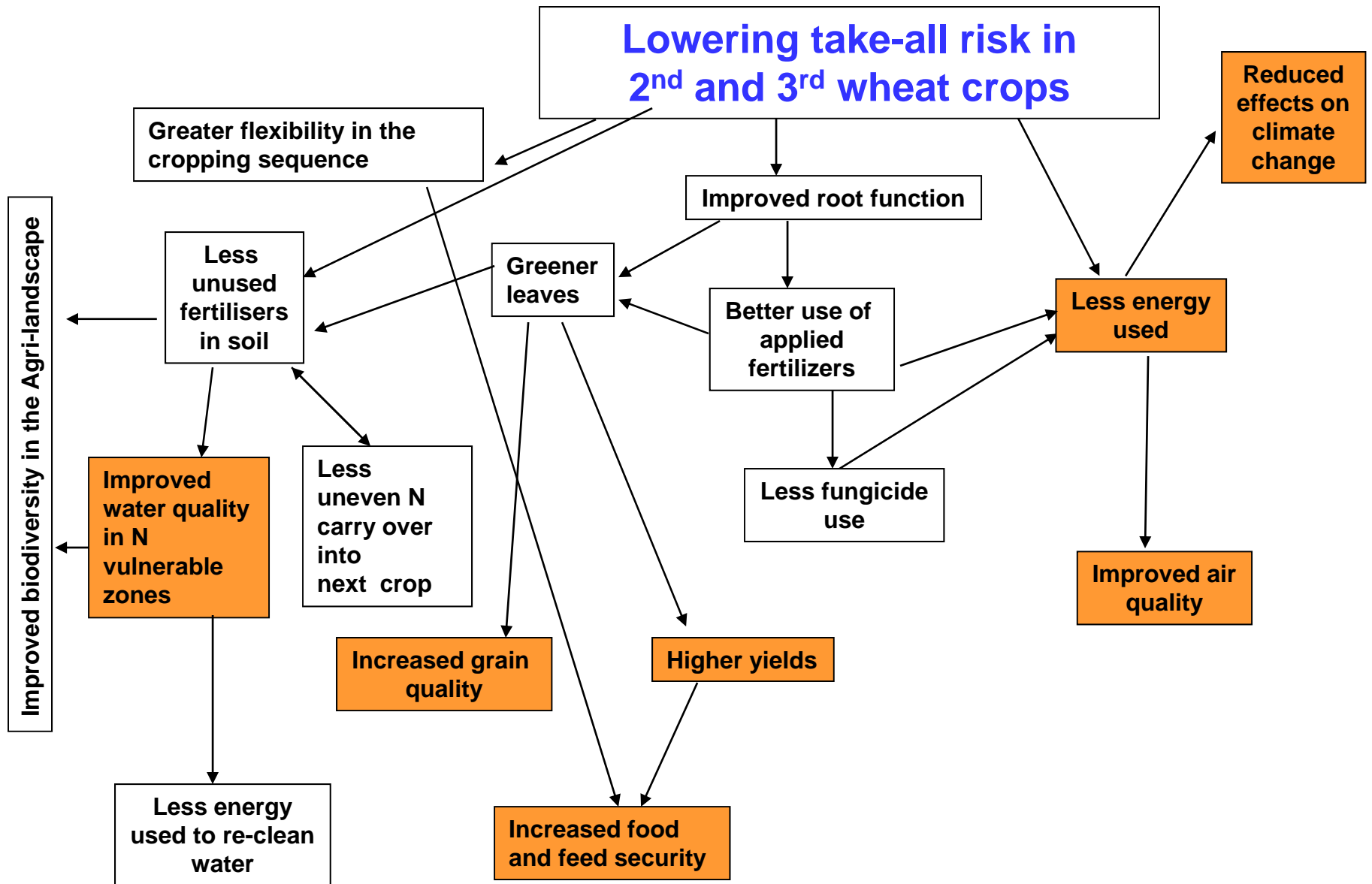
# IMPACT NETWORK - Improved Septoria blotch resistance



# IMPACT NETWORK - DROUGHT TOLERANCE



# IMPACT NETWORK - Improved take-all resistance



# IMPACT NETWORK - THE THREE COMBINED ROOT TRAITS

