

# Comprehensive Strategy to Advance Soil Health



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# Challenges

- ❖ Feeding another 2 B people by 2050
- ❖ Soil Organic Matter Loss
- ❖ Increasing Drought
- ❖ Increasing GHG Emissions
- ❖ Water Quality
- ❖ Economics of Farming



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# Soil Health Practices Build Soil Carbon





# Soil Health Practices Build Soil Carbon

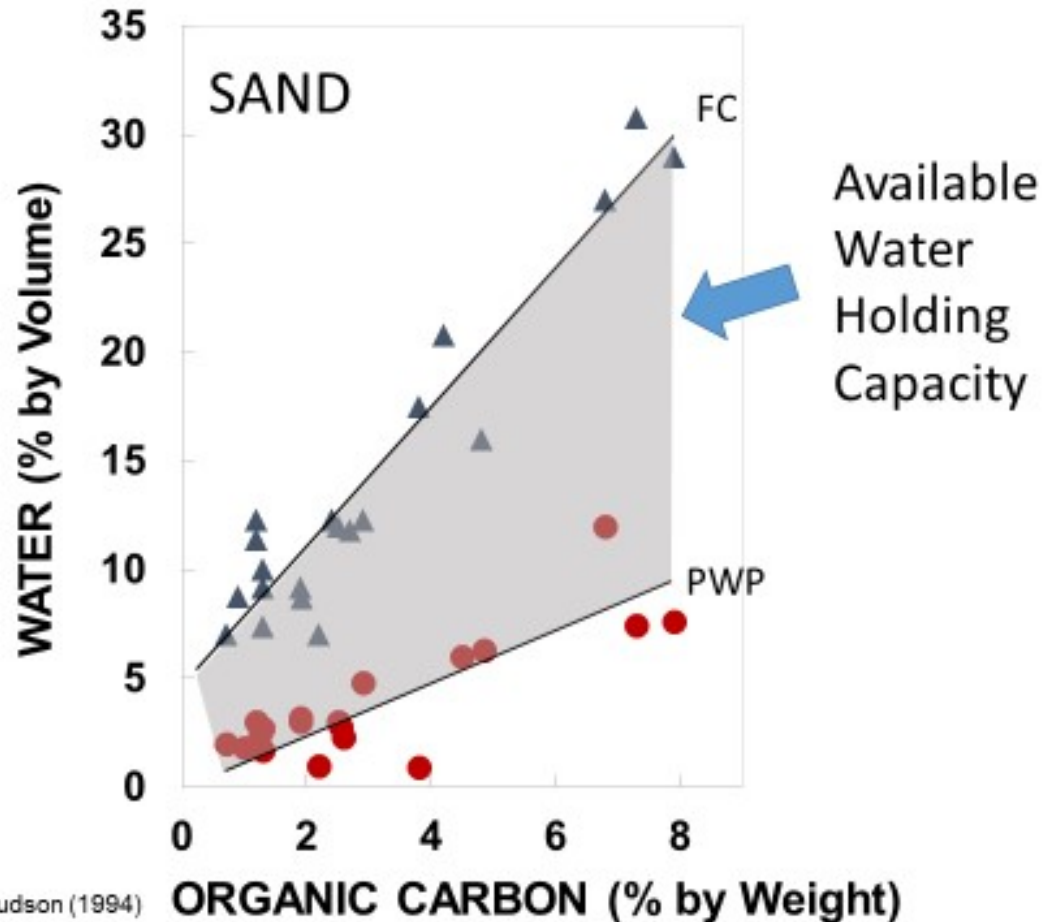
Soil Organic C (Mg/ha)



State	Conventional Tillage	No Tillage	Author
AL	23.5	26.2	Terra et al.
IA	60.3	71.1	Karlen et al.
IL	46.4	58.5	Yang & Wander
IN	60.0	73.0	Elliott et al.
KY	45.9	52.8	Blevins et al.
NE	63.3	75.3	Varvel & Wilhelm



# Soil Health Affects Drought Resilience



Adapted from Hudson (1994)





# Soil Health Affects Water Infiltration & Runoff





**But How Do We Achieve Scale?**





# THE MOST CRITICAL INGREDIENT:





# Comprehensive Strategy to Increase Adoption of Soil Health Management Systems

## ADOPTION

Soil Health Management Systems that are Profitable,  
Resilient, and Provide Ecosystem Services



UNIFY ■ RESTORE ■ PROTECT



## Comprehensive Strategy to Increase Adoption of Soil Health Management Systems

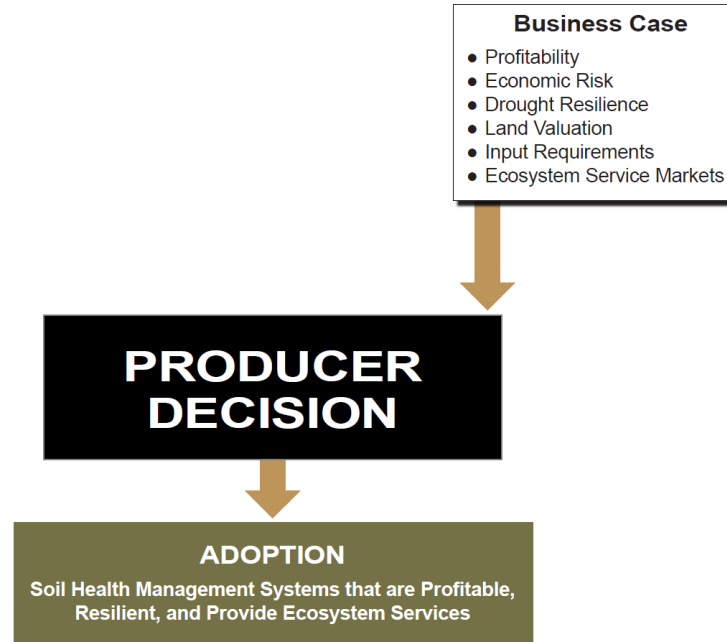
**PRODUCER  
DECISION**



**ADOPTION**

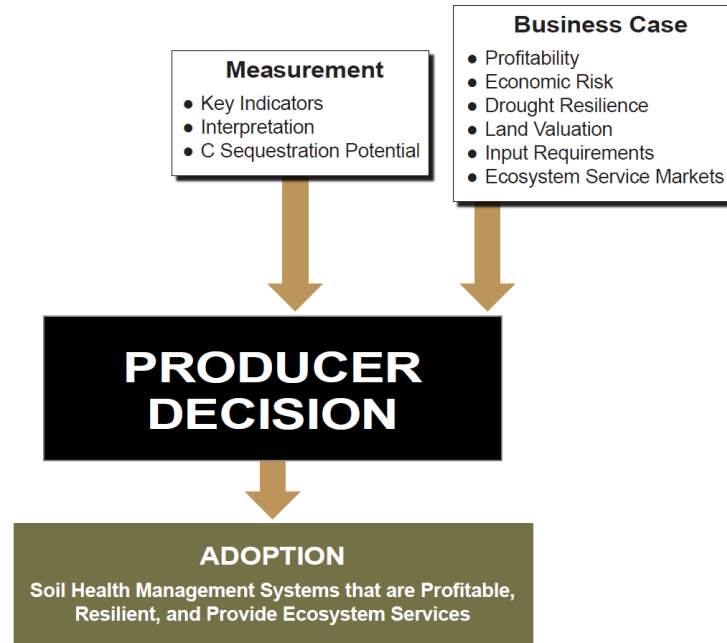
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## Comprehensive Strategy to Increase Adoption of Soil Health Management Systems



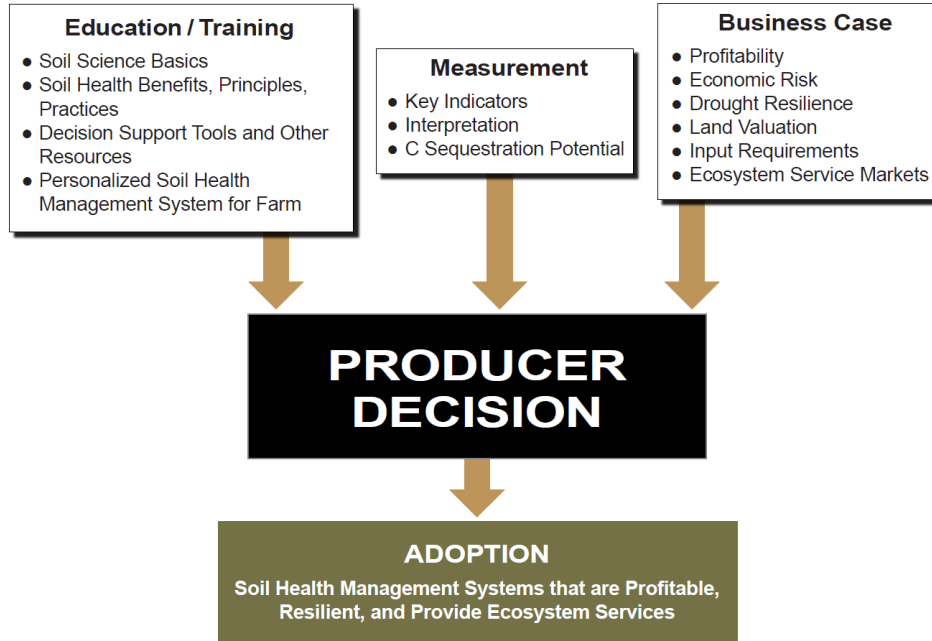


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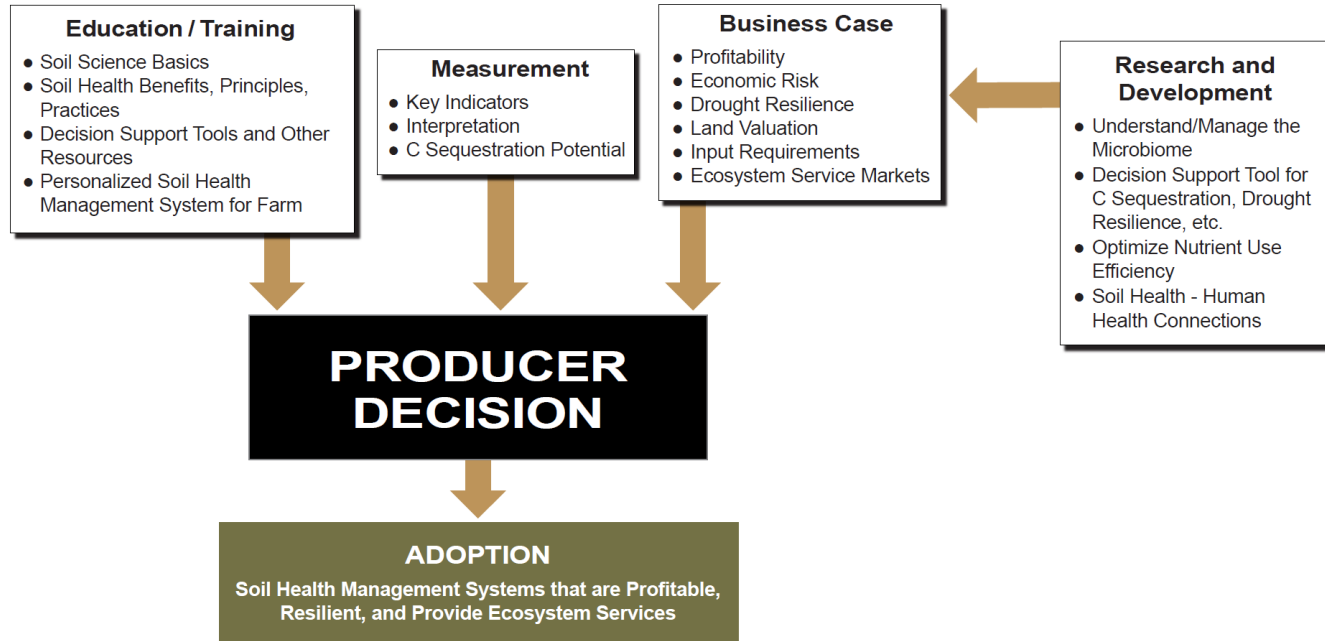




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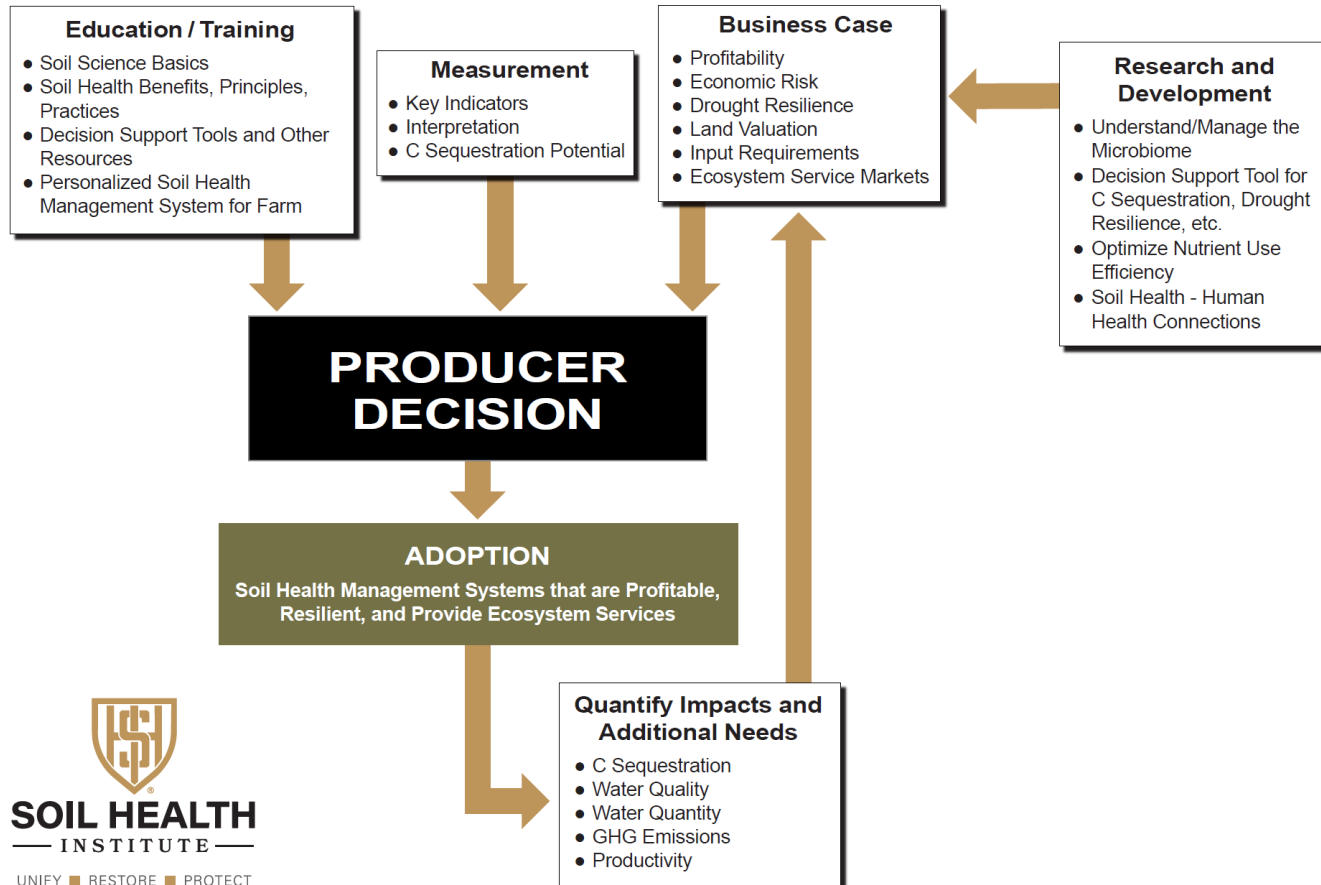


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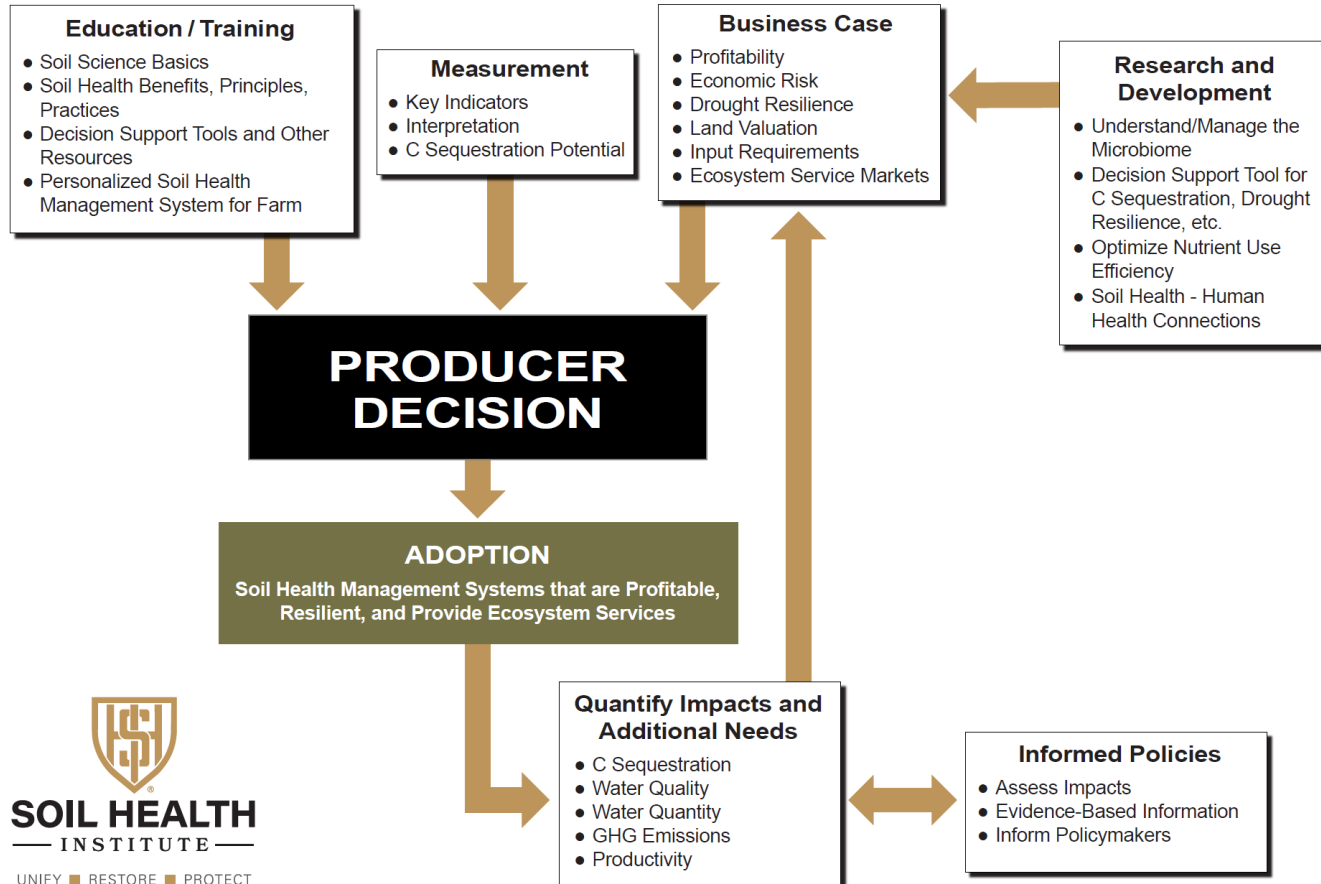




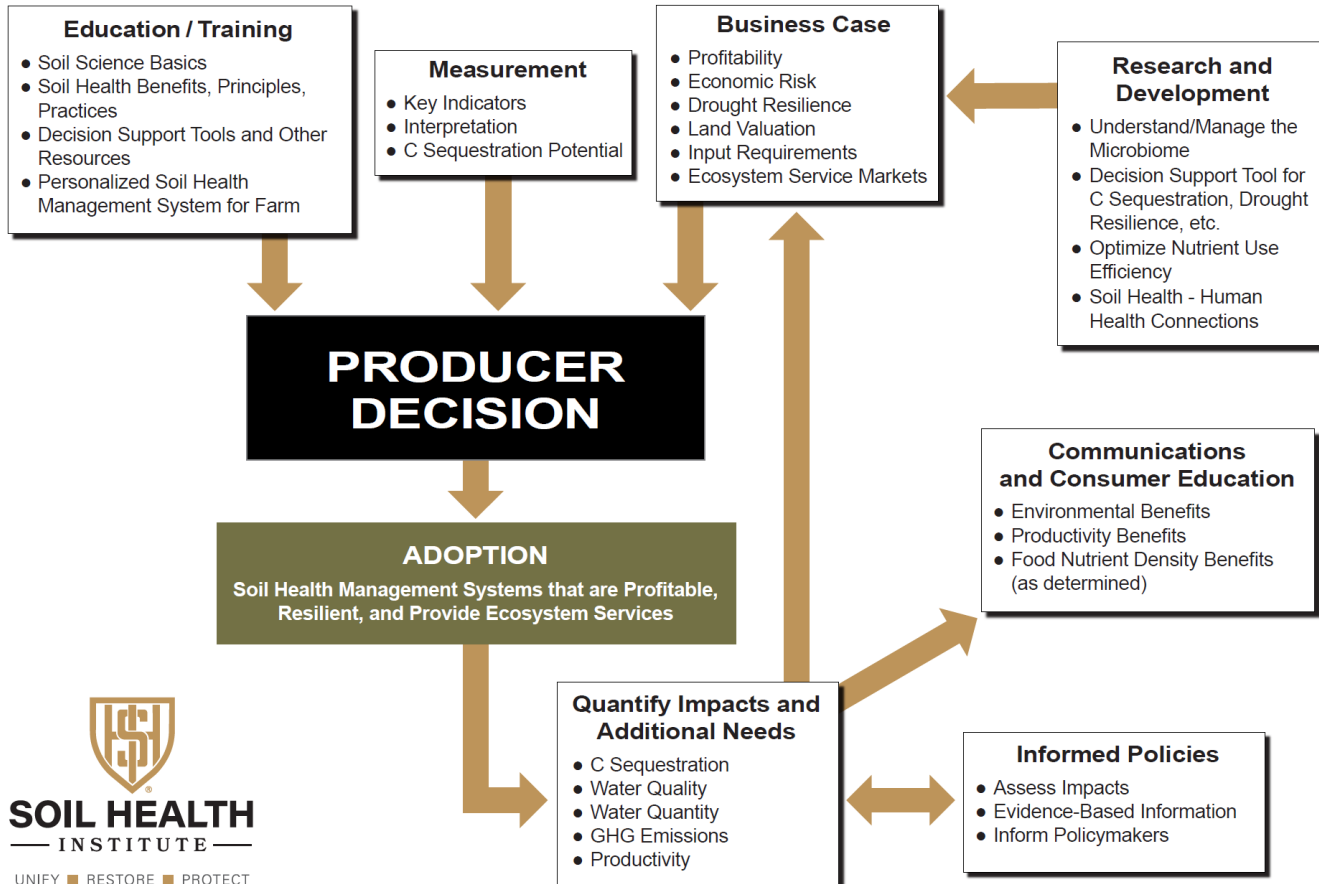
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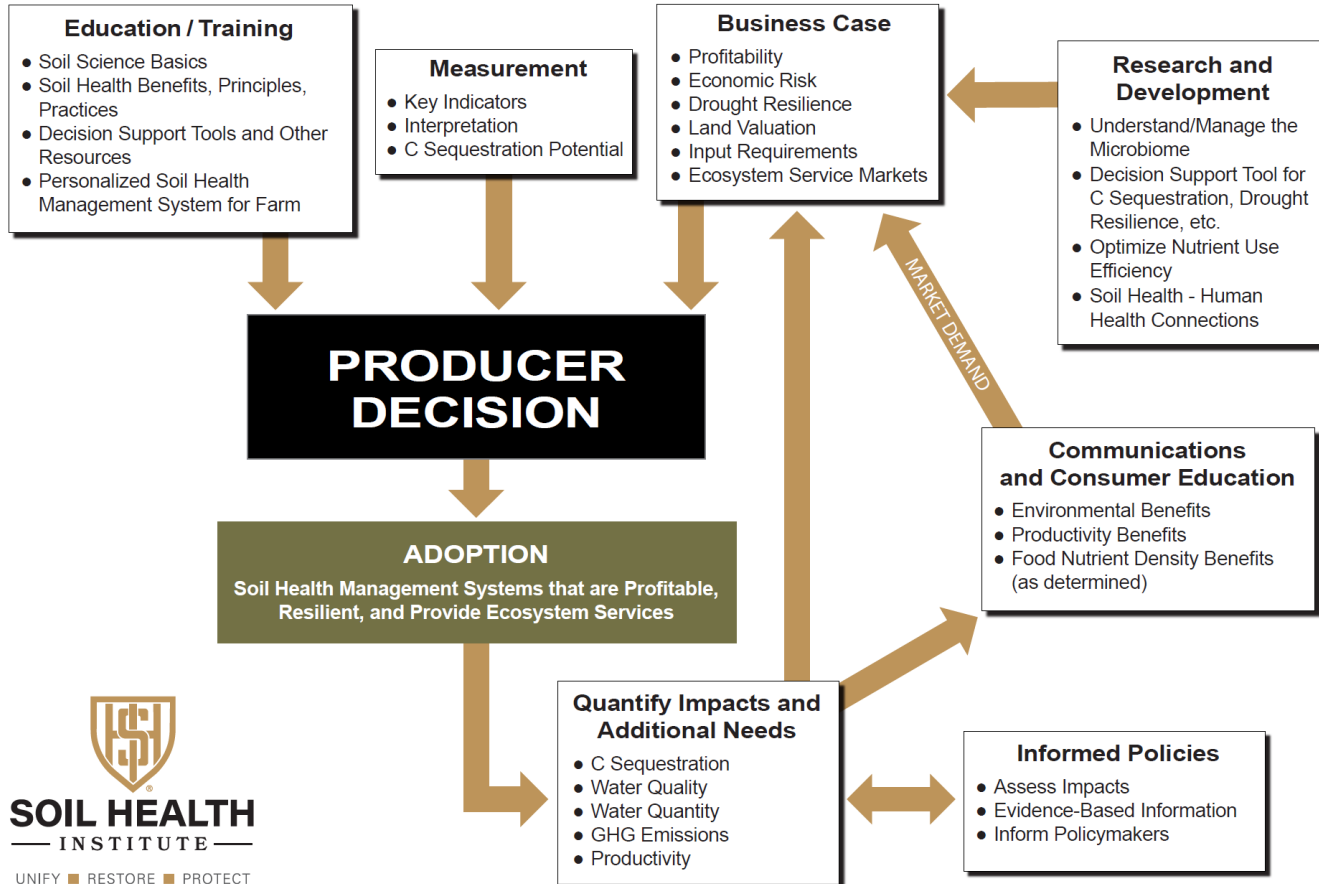


# Comprehensive Strategy to Increase Adoption of Soil Health Management Systems





# Comprehensive Strategy to Increase Adoption of Soil Health Management Systems



# Soil Health: *A Global Solution*



*Advancing the Science and Practicality of Soil Health*



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