



**FEED THE FUTURE**

The U.S. Government's Global Hunger & Food Security Initiative

**FOOD SAFETY  
AND  
AGRICULTURAL VALUE CHAIN  
DEVELOPMENT**

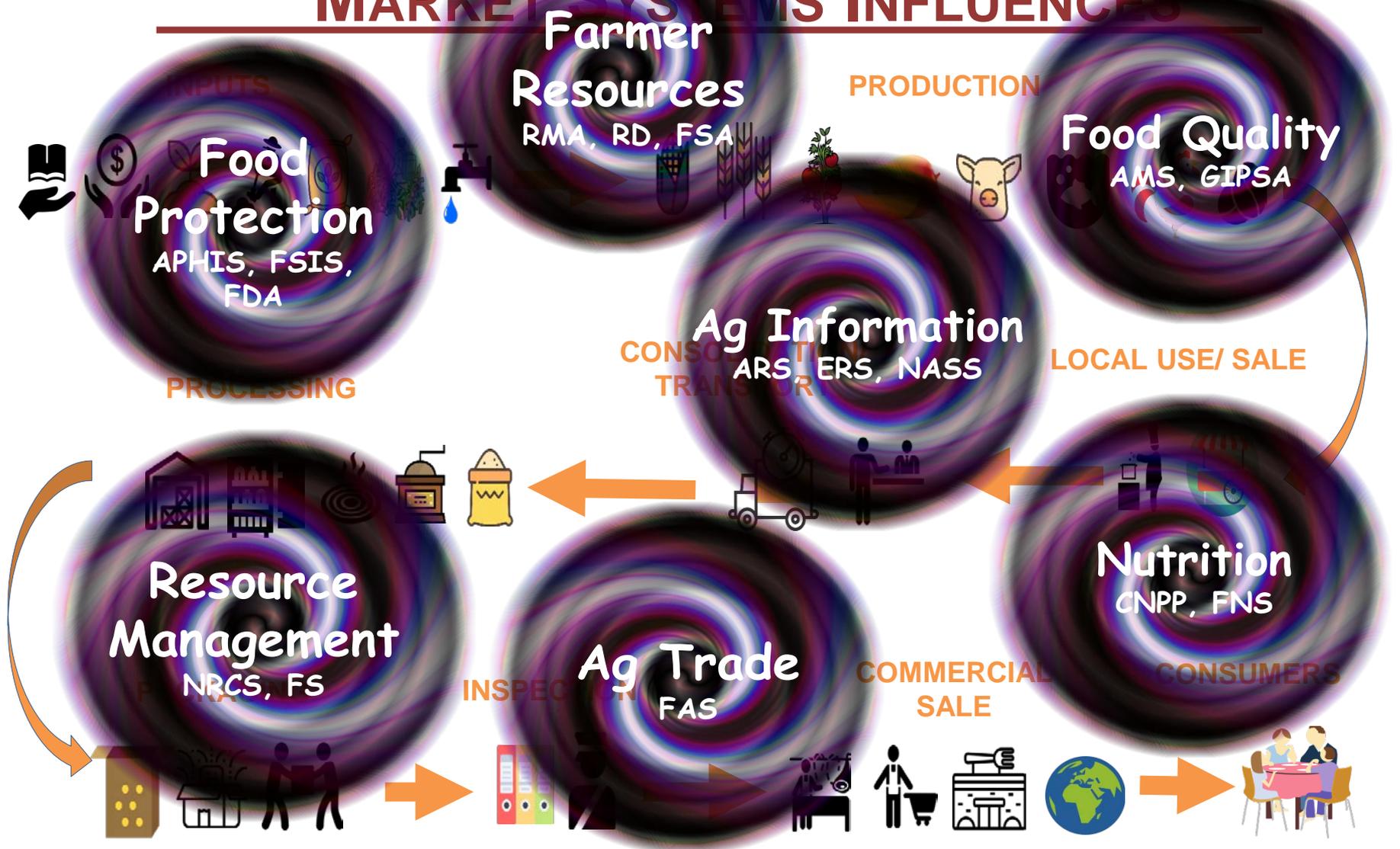
**Dr. Jason Sandahl  
Foreign Agricultural Service  
US Department of Agriculture**



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## MARKET SYSTEMS INFLUENCES





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## AGRICULTURAL VALUE CHAINS

### INPUTS



### PRODUCTION



### PROCESSING



### CONSOLIDATION/ TRANSPORT



### LOCAL USE/ SALE



### PACKAGING



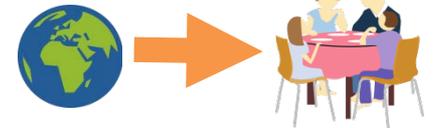
### INSPECTION



### COMMERCIAL SALE



### CONSUMERS

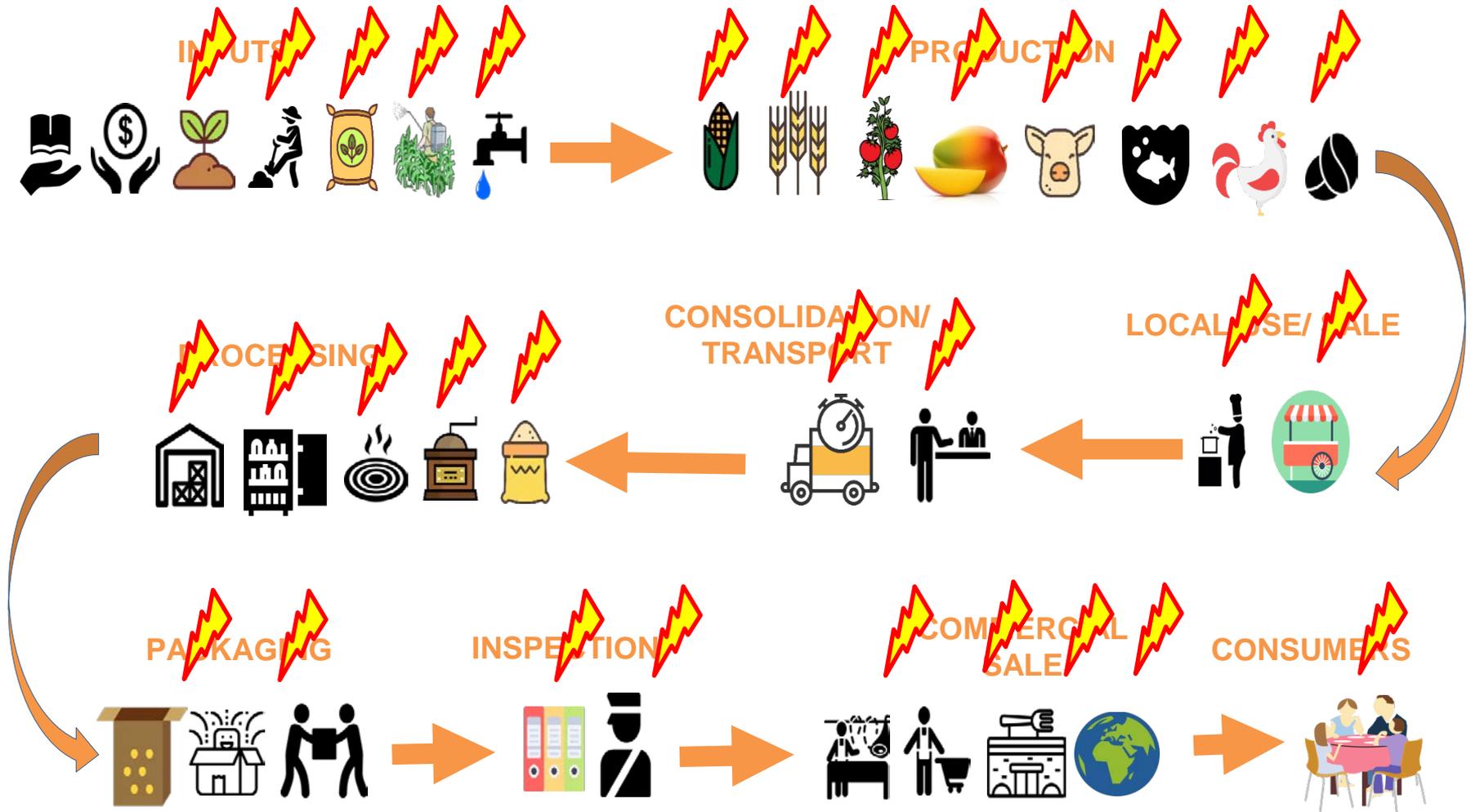




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## FOOD SAFETY HAZARDS

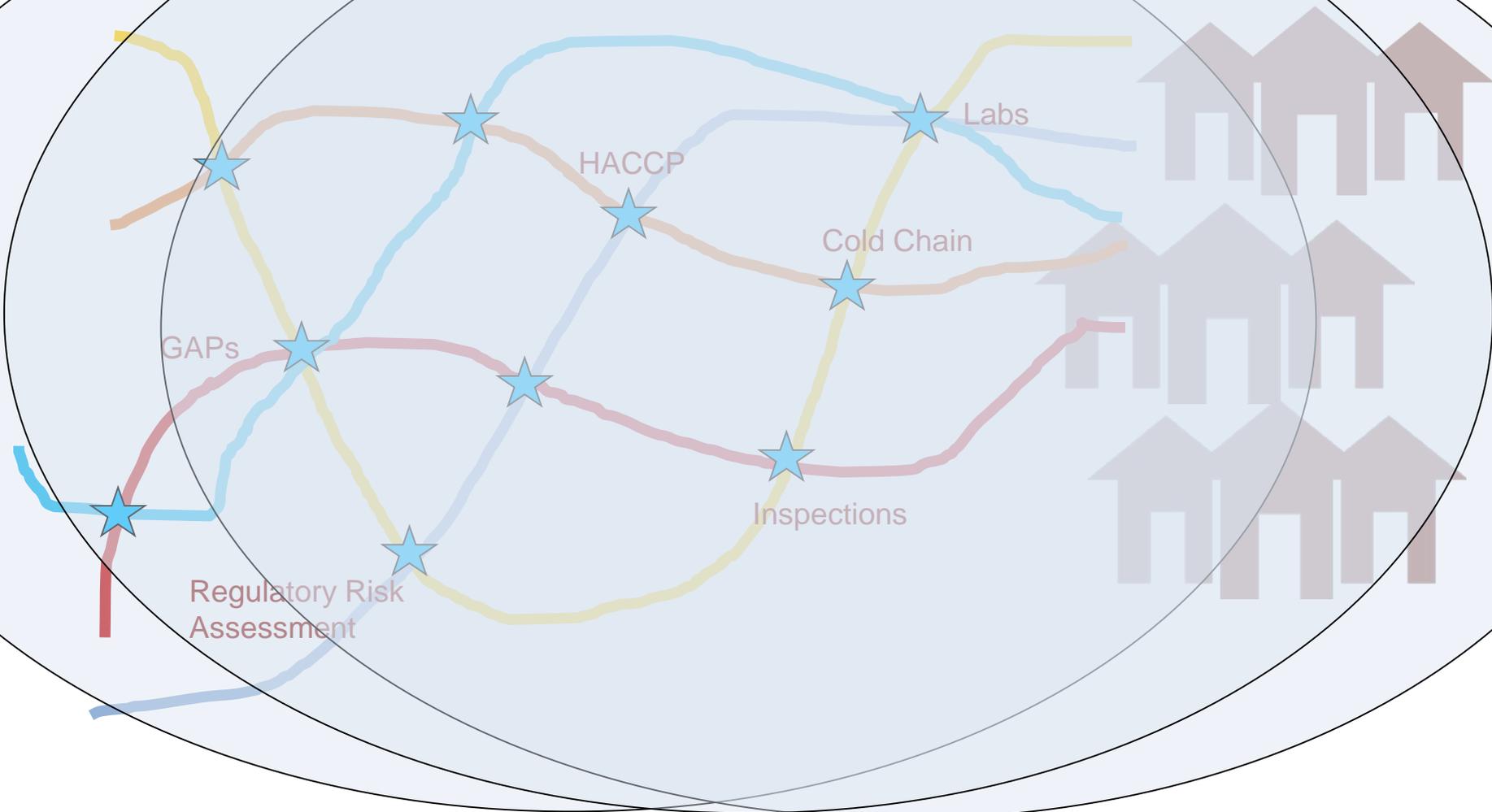




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## Market System Market System Market System





## CONTROL POINTS



### RISK MITIGATION

- **SPS Regulatory Environment**
- **Physical Infrastructure**
- **Practices: Production, Processing, and Handling**

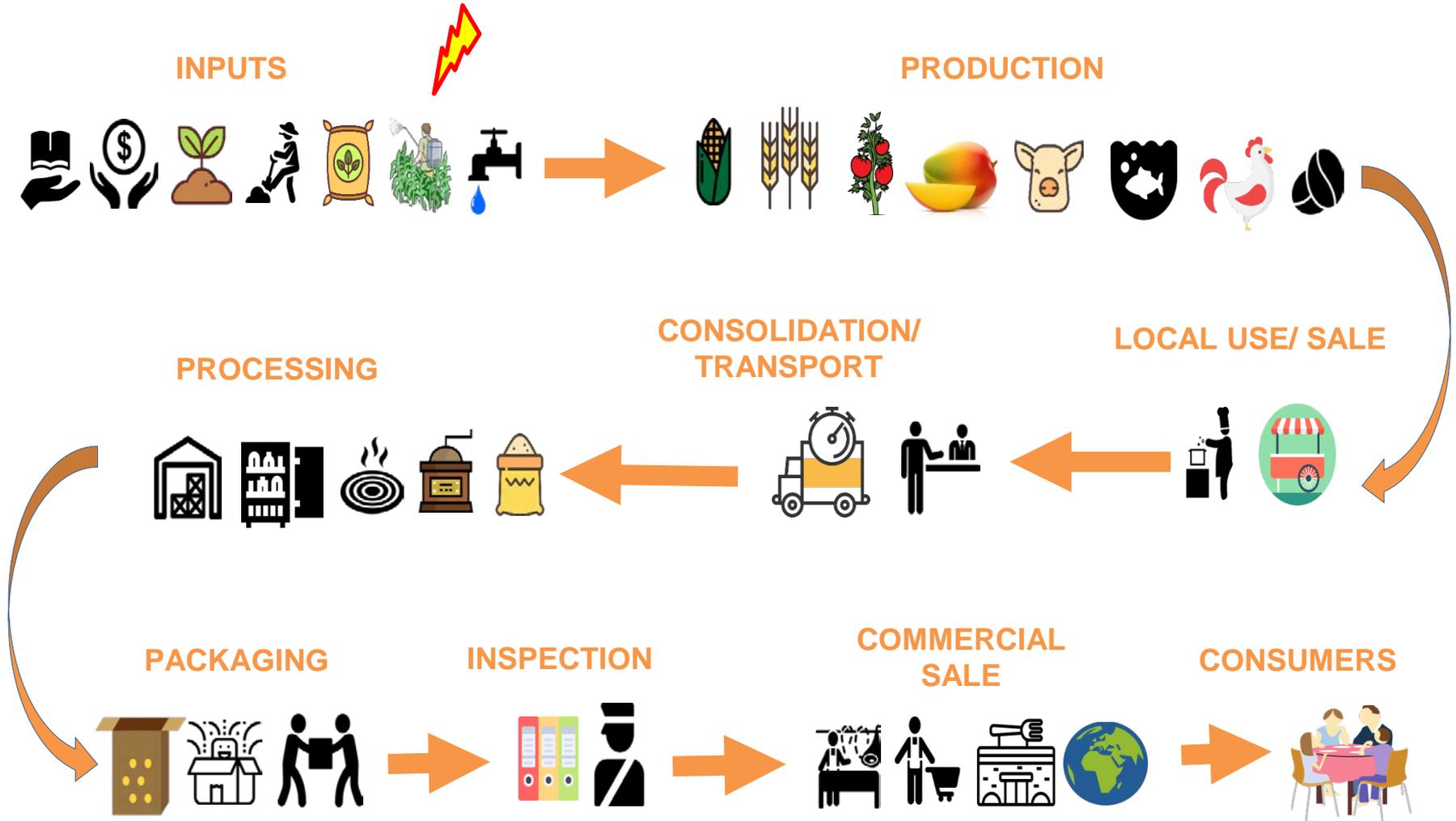




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## PESTICIDE USE IN HORTICULTURE





## PESTICIDE USE CONTROL POINTS

RISK MITIGATION

- **SPS Regulatory Environment**  
**Pesticide Registration Law**
- **Physical Infrastructure**  
**Lab Diagnostics**
- **Practices: Production,**  
**Processing, and Handling**  
**Farmer Training**

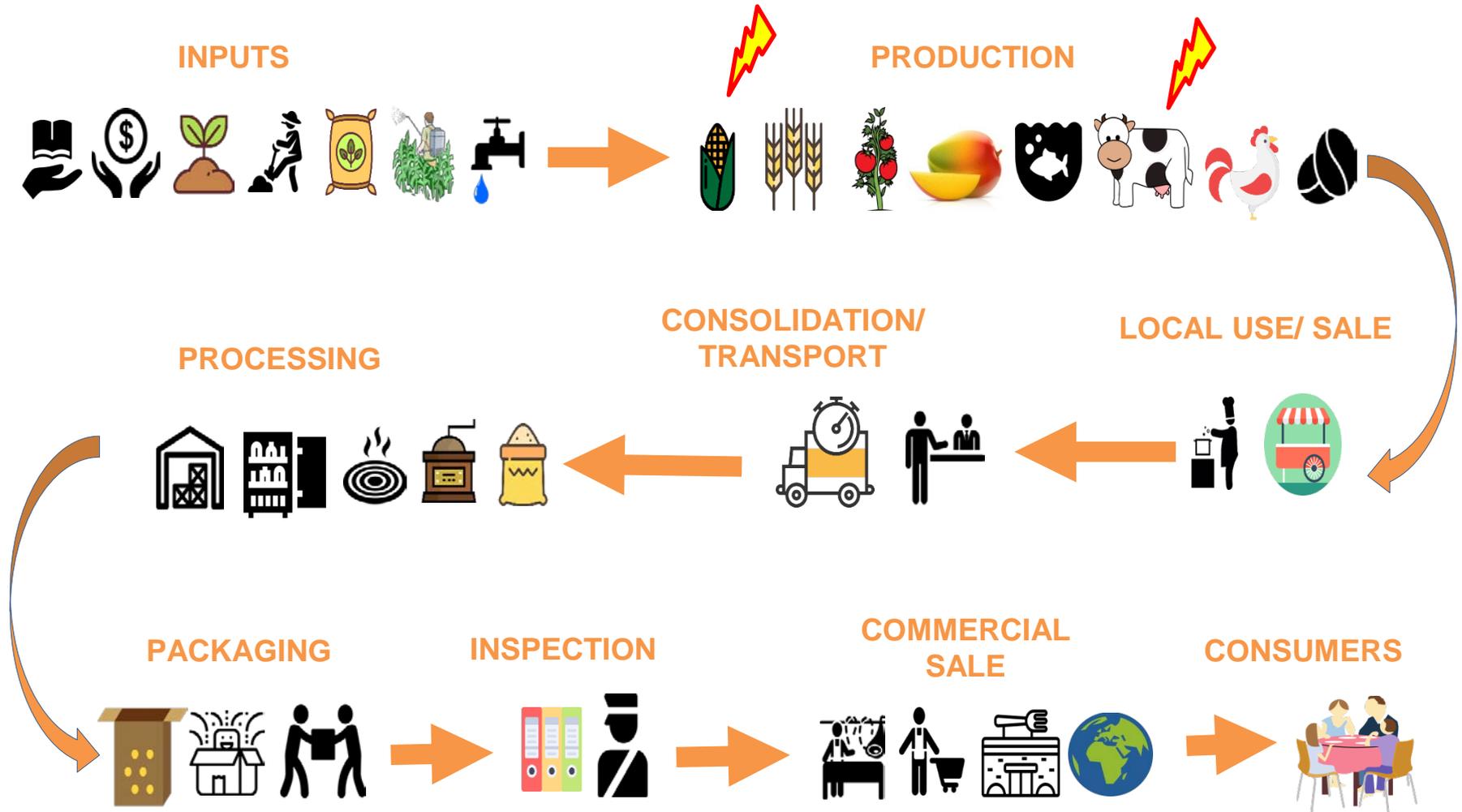




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## AFLATOXIN CONTAMINATION





## AFLATOXIN CONTROL POINTS

RISK MITIGATION

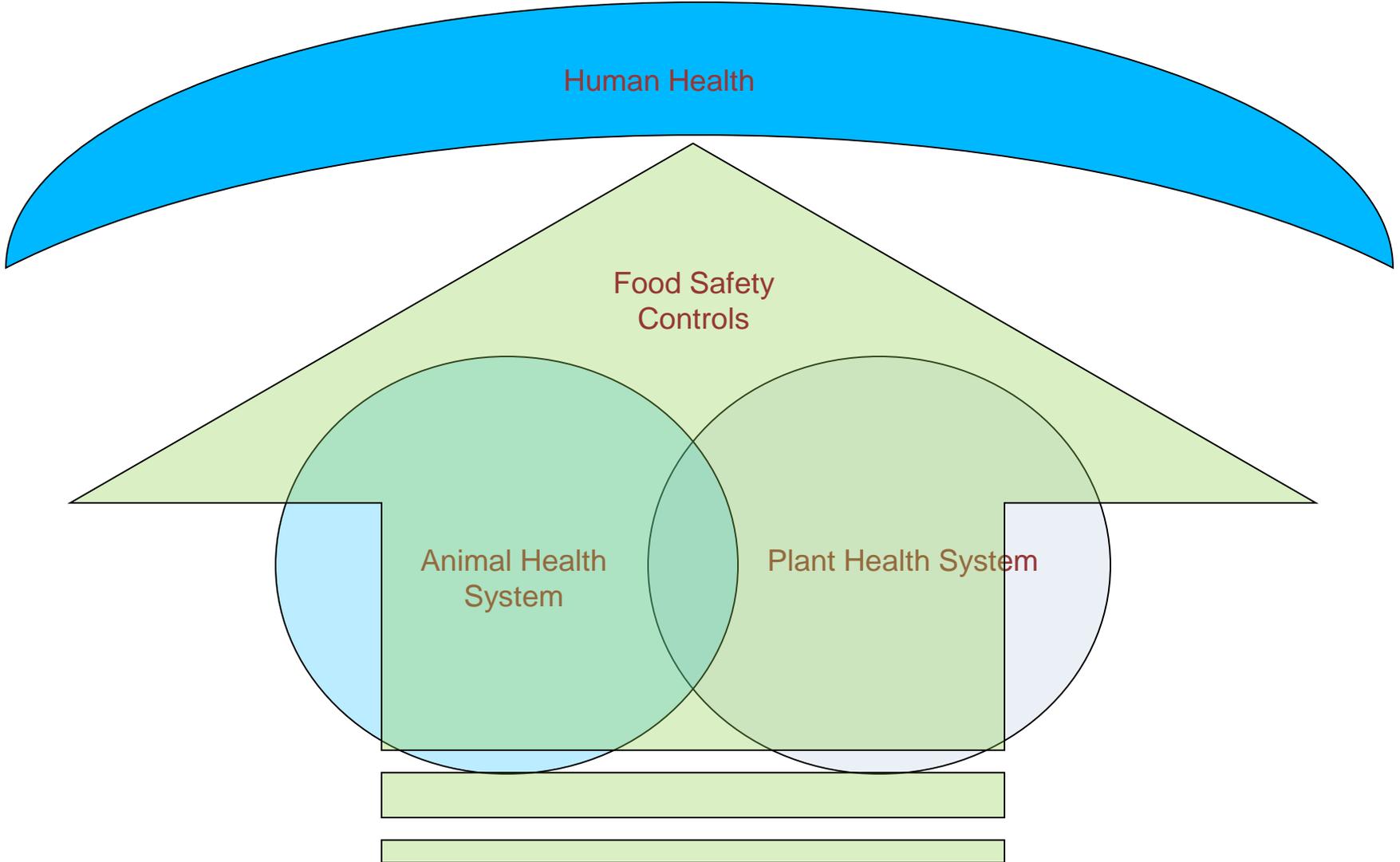
- **SPS Regulatory Environment**  
**Pesticide Registration Law**
- **Physical Infrastructure**  
**Lab Diagnostics**
- **Practices: Production,**  
**Processing, and Handling**  
**Farmer Training**





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## TASKS:

1. **Identify food safety CONSTRAINTS** to the value chain and where they intersect with the value chain. (10 min)
2. **PRIORITIZE** what should be incorporated in value chain programming. (10 min)
3. Discuss possible **SOLUTIONS** to the highest priority constraints. (15 min)



## Resources

- ✓ **The Food Safety Network (USAID/USDA/FDA)**
- ✓ SPS course → please try it and let us know
- ✓ Food Safety Modernization Act (FSMA)
- ✓ **Food Safety Working Group (FSWG)**
- ✓ [E-consultation → AgExchange on Agrilinks](#)
- ✓ **Participating Agency Service Agreement (PASA)**
- ✓ Africa Bureau, BFS
- ✓ **USDA Foreign Agricultural Service's Trade and Scientific Capacity Building Division (TSCBD)**