

Integrated Pest Management for Everyone: Using the Health Behavior Model for IPM Education

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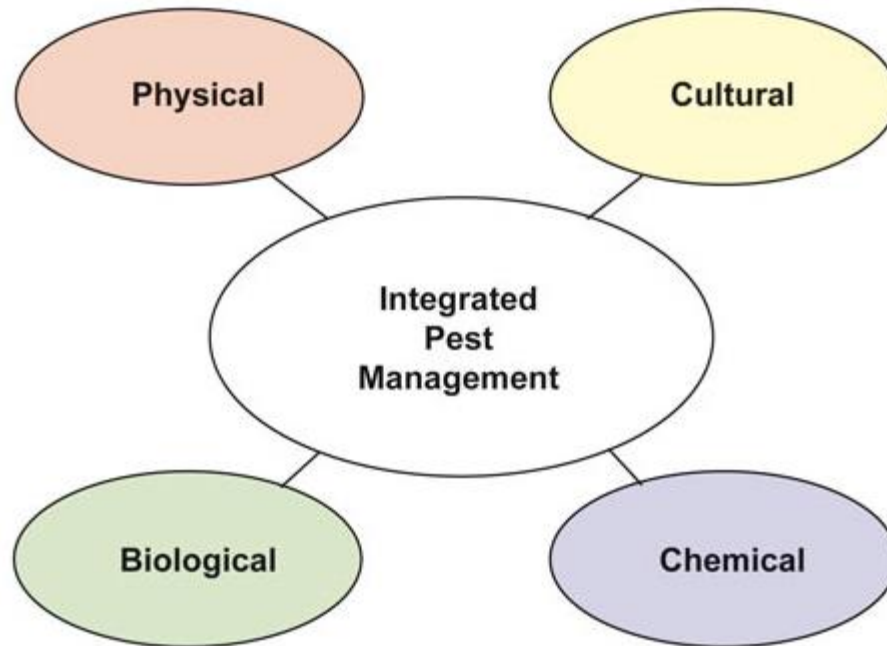


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Integrated Pest and Disease Management

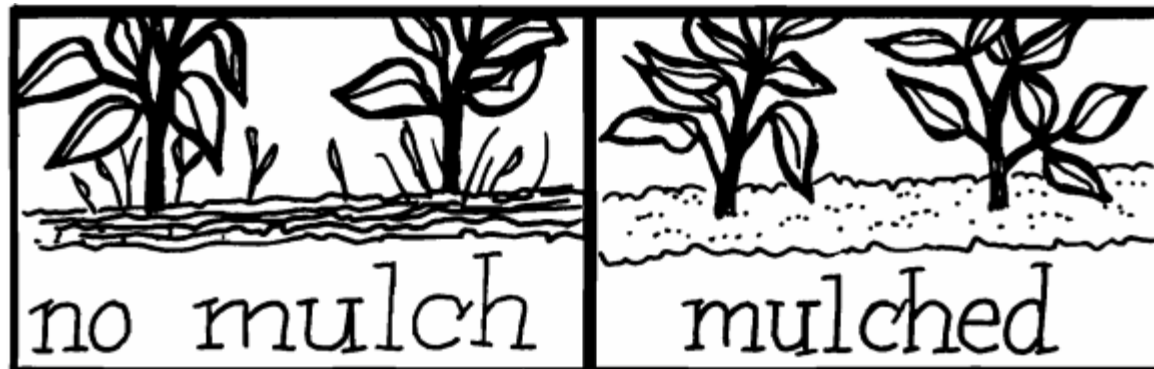


Integrated Pest and Disease Management



Cultural practices/Pest and Disease Prevention

- Washing tools and clothing
- Cultivar selection
- Crop rotations
- Improving pest exclusion in a greenhouse



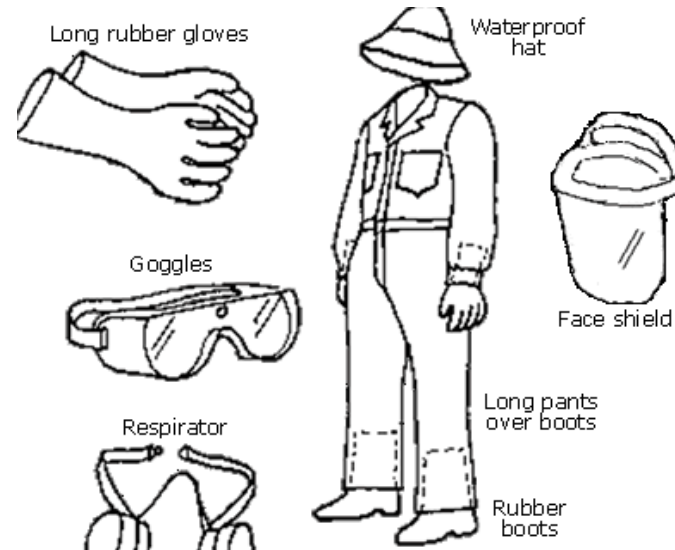
What influences
preventative behavior
(Cultural practices) in
(Hispanic) farmworkers?



What influences preventative behavior?



NATIONAL
PESTICIDE
SAFETY
EDUCATION
MONTH

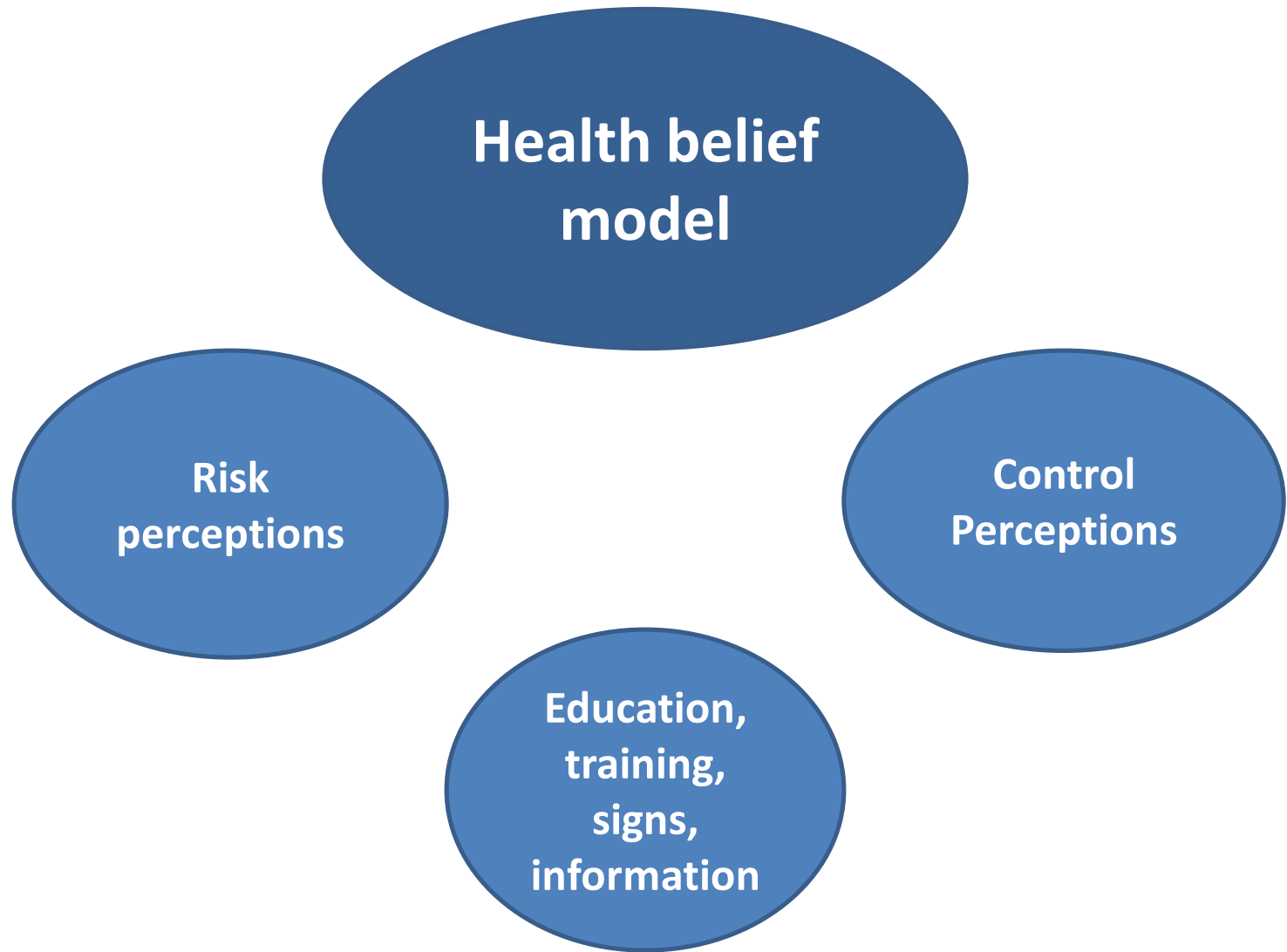


Pesticide Safety and your Behavior

Montana State University
Pesticide Safety Education Program

2010





Preventative behavior

1. Risk perception

How susceptible am I to the risk?

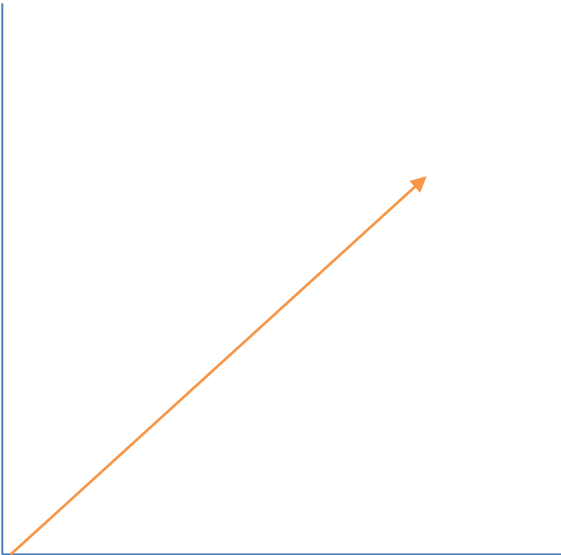
How severe are the consequences if I do not prevent?

2. Control perceptions

Do I have control over mitigating the risk?

Will my preventative actions really make a difference?

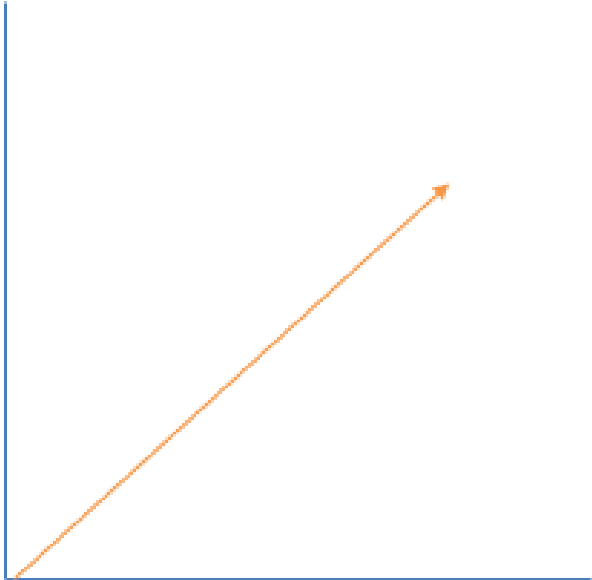
Perceived control



Education/Trainings

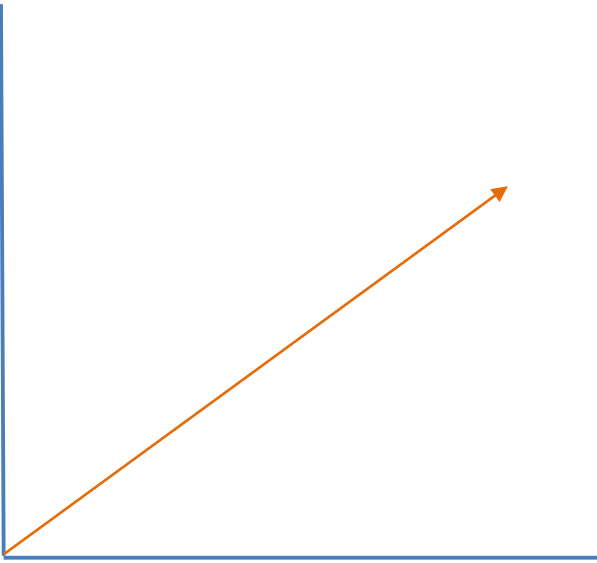


Perceived risk



Education/Trainings

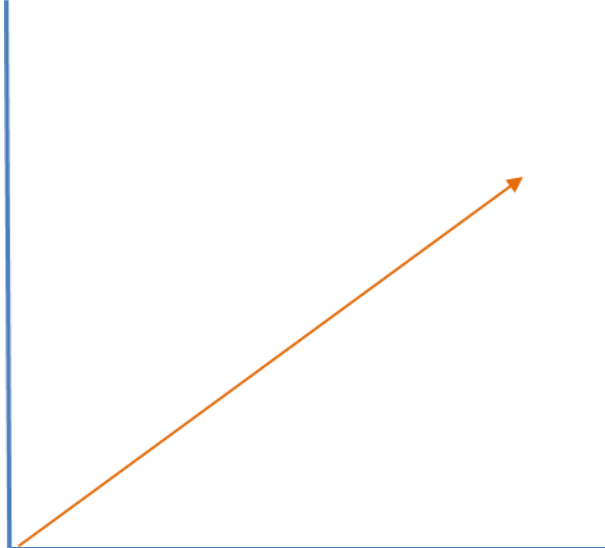
Perceived risk



Preventative behavior



Perceived control



Preventative behavior

Education \neq Risk Perceptions

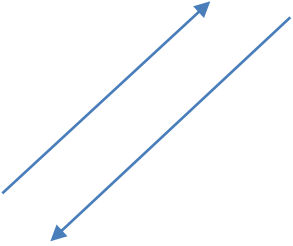
\neq Control perceptions

\neq Preventative behavior



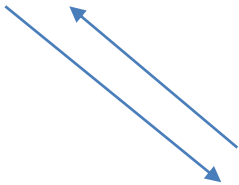
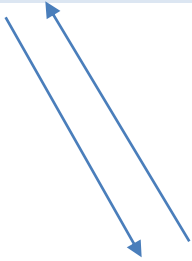
Risk perceptions

Control Perceptions

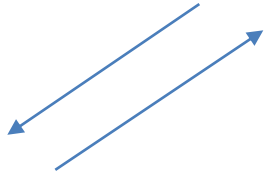


Knowledge/Trainings

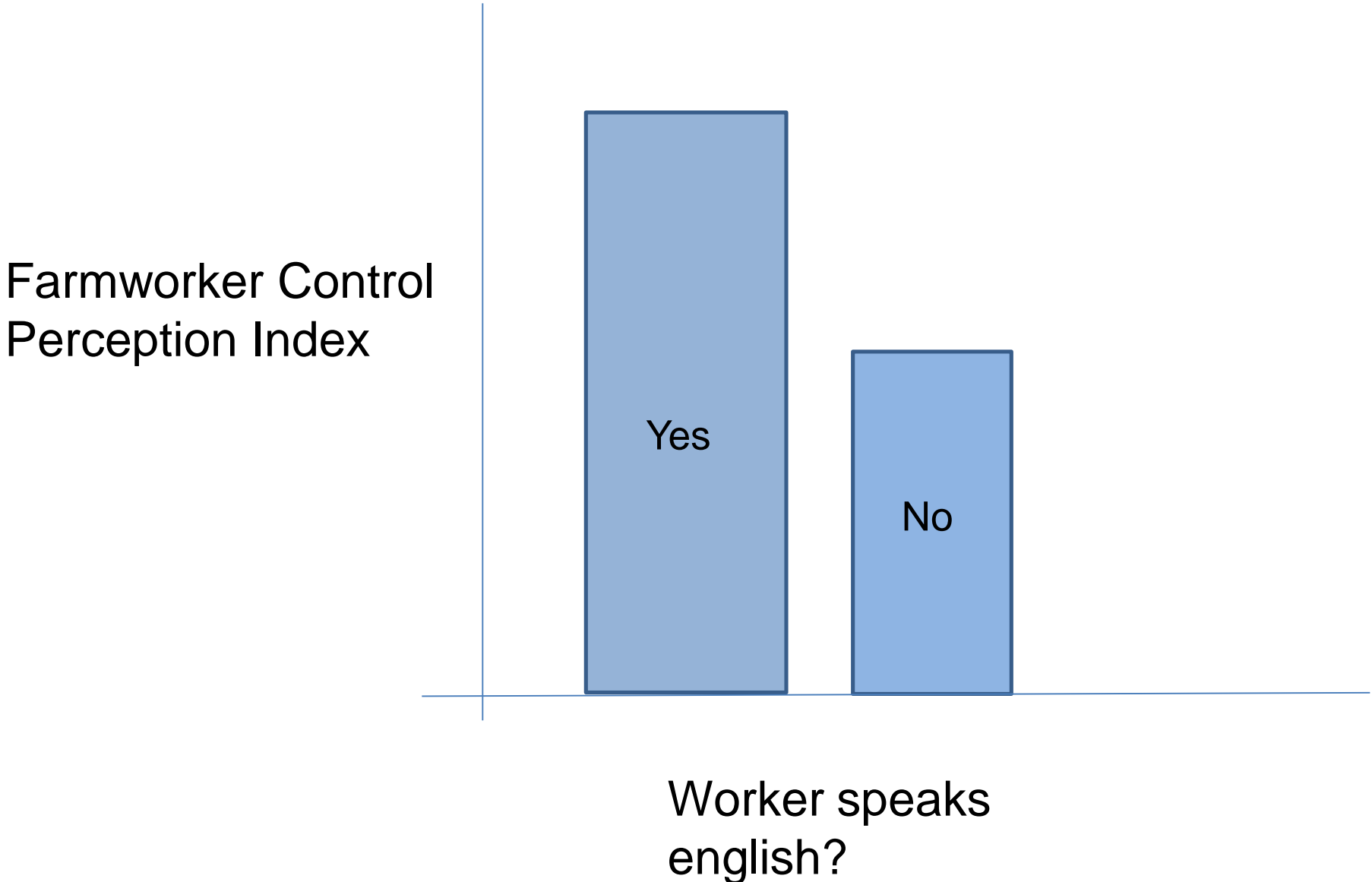
Gender, socio-economic status, years of education, language etc..



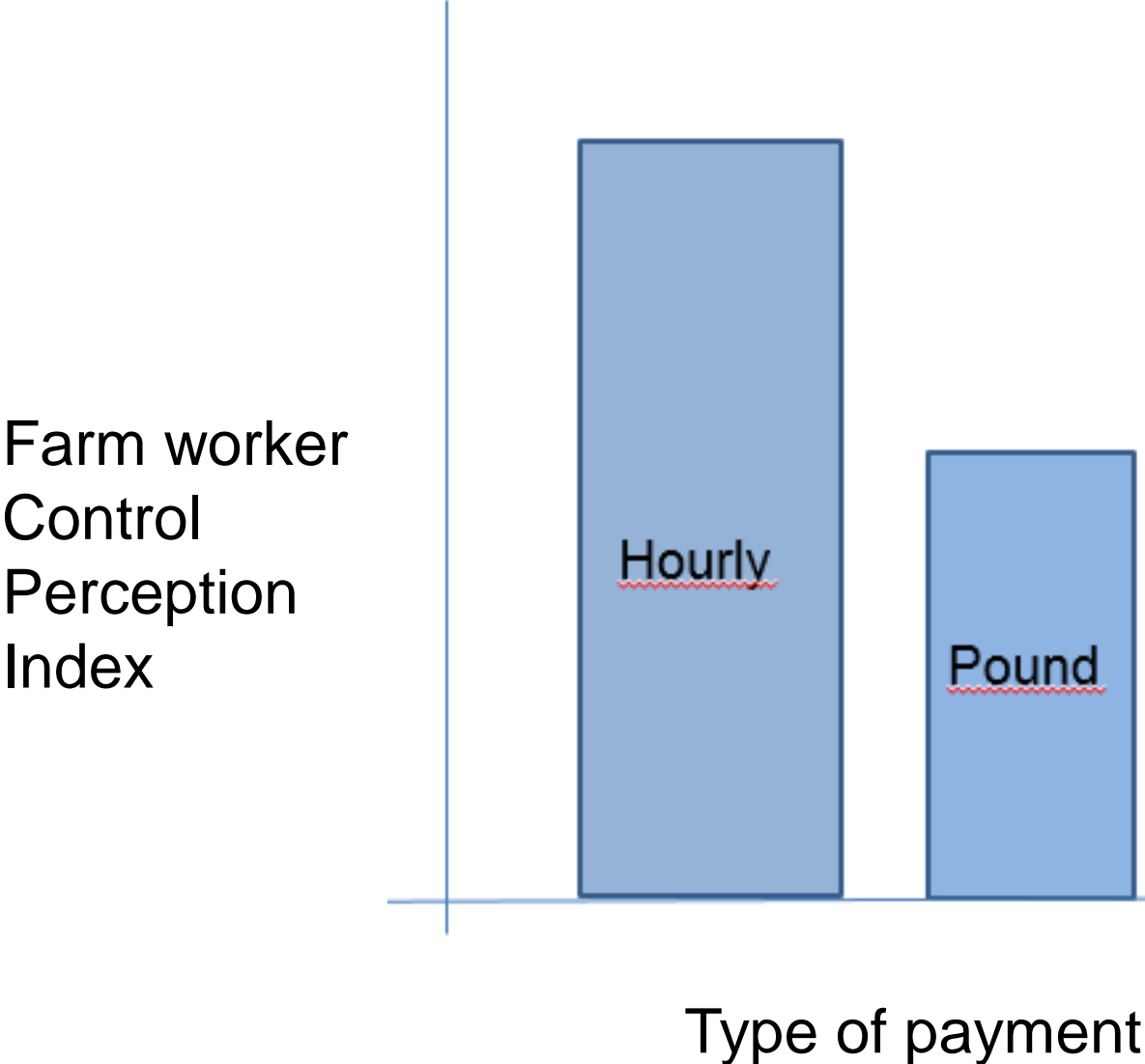
Work environment



Language influences control perceptions in Hispanic farmworkers

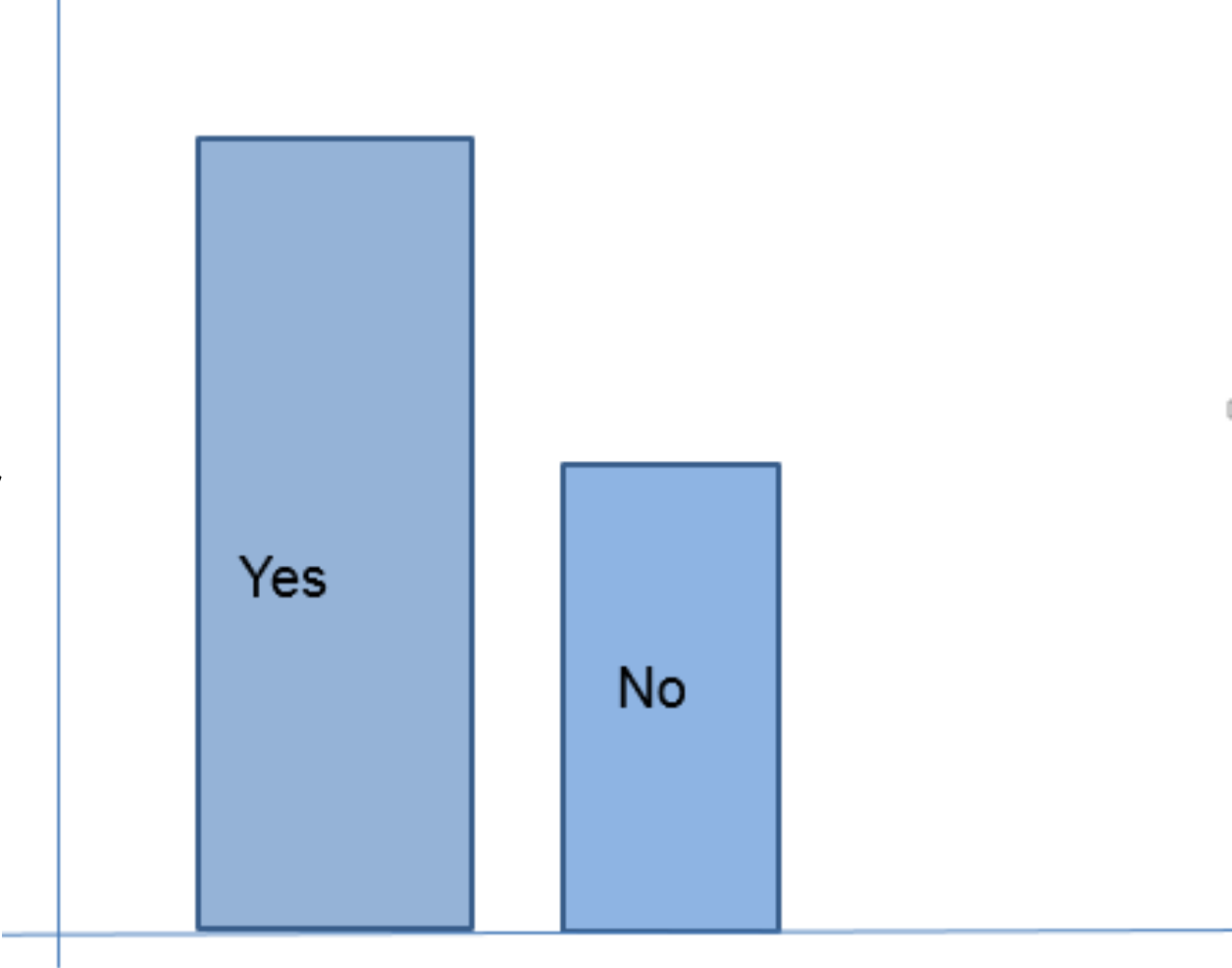


Wage type influences control perceptions in Hispanic farmworkers



On-farm logistical issues affect control perceptions

Farm worker
Control
Perception
Index



Washing supplies, equipment
available?

Using the HBM toolbox in IPM

Understanding hispanic farmworkers risk and control perceptions on **pests and diseases**

Useful tools for IPM education and training

“The more proactive the farm team is on disease prevention, the lesser need for chemicals, and thus, the less exposure to these same chemicals.”

(Harold Brosius, Owner and manager of Marlboro Mushroom Farm)



We need to listen.....



Using the HBM toolbox in IPM

Create awareness among farm owners and farm managers

Open communication

Empower farmworkers

Create a healthy work environment

Thank you!

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