## Salmonella Dublin

#### What is it?



- Like other food-borne illness Salmonella
- Cattle-adapted
- Symptoms in cattle include:
- o Respiratory illness\* o Fever
- o Septicemia
- o Diarrhea

#### How does it spread?





Manure





Can spread to humans, other cattle, and livestock

#### What is it?



· Like other food-borne illness Salmonella

Salmonella Dublin

- Cattle-adapted
- Symptoms in cattle include:
- o Fever
- o Respiratory illness\*
- o Diarrhea
- o Septicemia

### How does it spread?



0 Saliva 🆄 Manure

Milk



Can spread to humans, other cattle. and livestock

### Why is it a problem?





Can persist on a farm for months to years

Can be difficult to treat due to antibiotic resistance



Animal loss Production loss Overall economic losses

### Why is it a problem?



©b

Can persist on a farm for months to years

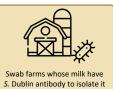
Can be difficult to treat due to antibiotic resistance



Animal loss Production loss Overall economic losses

## Our Study: Where is S. Dublin in Pennsylvania?









## Our Study: Where is S. Dublin in Pennsylvania?



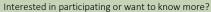












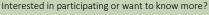
Contact our study lead: Sophia Kenney smk459@psu.edu (304)-288-8440

Read more in PSU Extension's Dairy Digest









Contact our study lead: Sophia Kenney smk459@psu.edu (304)-288-8440

Salmonella Dublin

Read more in PSU Extension's Dairy Digest



Salmonella Dublin

## What is it?



- Like other food-borne illness Salmonella
- Cattle-adapted
- Symptoms in cattle include:
  - o Fever
- Respiratory illness\*
- o Diarrhea
- Septicemia

## What is it?



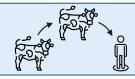
- Like other food-borne illness Salmonella
- Cattle-adapted
- Symptoms in cattle include:
  - o Fever o Diarrhea
- Respiratory illness\* Septicemia

## How does it spread?





🌃 Manure



Can spread to humans, other cattle, and livestock

### How does it spread?



0 Saliva





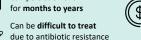
Can spread to humans, other cattle, and livestock

### Why is it a problem?





Can persist on a farm





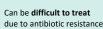
Animal loss Production loss Overall economic losses

### Why is it a problem?





Can persist on a farm for months to years





**Production loss** Overall economic losses

# Our Study: Where is S. Dublin in Pennsylvania?



S. Dublin antibody









Our Study: Where is S. Dublin in Pennsylvania?

Swab farms whose milk have S. Dublin antibody to isolate it



Provide assessment to identify major points of transmission risk





Interested in participating or want to know more? Contact our study lead:

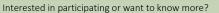
Sophia Kenney smk459@psu.edu (304)-288-8440

Read more in PSU Extension's Dairy Digest









Contact our study lead: Sophia Kenney smk459@psu.edu (304)-288-8440

Read more in PSU Extension's Dairy Digest

