Coastal California Vegetables: Plant Disease Update

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Lettuce drop
Gray mold
Botrytis crown rot
Phoma
Rhizoctonia
Major Viruses on Coastal Lettuce

• Tombusviruses:
  – TBSV = *Tomato bushy stunt virus*
  – LNSV = *Lettuce necrotic stunt virus*

• Tospoviruses:
  – TSWV = *Tomato spotted wilt virus*
  – INSV = *Impatiens necrotic spot virus*
    • Advisory for Santa Barbara/SLO counties
Advisory 1: Impatiens necrotic spot virus
Diagnosis of Virus Diseases of Lettuce
Advisory 2: Verticillium wilt
Advisory 3: Fusarium wilt
Anthracnose
Poison hemlock survey:

= positive for ApVY

26 of 38 Hwy 101 samples positive

No samples from SLO or SB counties
Spinach differential cultivars for determining downy mildew pathotypes
Salinas Valley: Why so many new DM races?

Spinach downy mildew races:
- 1990
- ‘08
- ‘09
- ‘10
Bacterial head rot
Alternaria head rot
Rust on leek
Basil downy mildew
Salinas Valley: Why so many new DM races?

Spinach downy mildew races

1990
‘08 ‘09 ‘10
Salinas Valley: Why so many new DM races?

Spinach downy mildew races  1990

Koike farm advisor career  1989
Steve Koike joins UCCE Monterey Co.

‘08 ‘09 ‘10

‘10
Information

• UCCE Monterey County newsletter
  – Crop Notes
    • http://cemonterey.ucdavis.edu

• UCCE Monterey County blog
  – Salinas Valley Agriculture
    • http://ucanr.org/blogs/SalinasValleyAgriculture/