

Wednesday 8.3.21

+ new MFC plant (1)

- Xi cDNA

+ Aphid workshop 8:30-3

AgSci 141

+ meet Steve @ 8am Manis

+ get aphid samples to ID

+ change seminar section

+ talk to Ying about colonies

Thursday 8.4.21

- new (+) BCOA plants (3)

· move 2 from big cage to small cages

· put 3 new plants in

· 1 in each small (2)

· 1 in big

- Xi PCR

- Walmart

→ Xi cDNA

Aug 8-24 colony Maint

- plant Kelse every wed (2 trays)

- Zone 1: 2 cages Mfc on Kelse (wheat)

- water every 3 days

- change plants

- Zone 2: 2 trays Mfc on Kelse

· 1 open, 1 caged

- water every 3 days

- change plants

- Zone 3: 1 tray BCOA on barley

- water every 3 days

- change plants

* plant more barley

- IM building: aphids on cabbage

- cody maintains

Aphid Workshop Notes 8.7.21

Setup: scope

small petri dishes (use deep side)

EtOH

forceps

data sheet

plastic pipette

English grain: shorter, rounder body, black on feet, black cornicles. Alates are very dark. ^{wider on top, but not cinched} ^{long antennae, not obvious joints}

Mfc: paler, longer, skinnier, black on feet, long, skinny, pale cornicles. Stripes on abdomen of alates. ^{5 segment antennae, not obvious}

R. padi: darker body, spots along back, rounder than Eng grain. ^{shorter than Eng grain} → short cornicles shaped like ^{the end of a} ^{balloon}

Rosegrass: very pale, white even

antennae have 5 segments, joints very obvious

cornicles are fatter & shorter than Mfc (but still long)

Russian wheat: body is flat, long, slender

antennae are short, dark tips, one joint at top

cornicles very short

2 cauda!!

B. stokes

Eng grain - 1 alate, 2 nowings

Elmore Co.

rosegrass - 1 alate

28 June 2021

R. padi - 1 alate, 1 nowing

Burgin 5

Blankenship

Russian wheat - 1 nymph

28 June

rosegrass - 1a, 1 nowing

Eng grain - 1a, 3 nw

Zitoli

R. padi - 1a

25 June

Eng grain - 1nw

Bergs Y
6-25-2021 Russian wheat - 2nw
Rosegrass - 3a, 2nw
R. padi - 3a, 3nw
Eng grain - 1a, 2nw

Blankσμα 1
25-6-21 Russian wheat - 2a, 1nw
R. padi - 3nw
Eng grain - 2nw
Rosegrass - 1a

Blankσμα 2
25-6-21 Russian wheat - 8nw, 9a
R. padi - 2nw
Eng grain - 2nw
Rosegrass - 3a

MT site 10
7.9.21 WW R. padi - 1nw
Eng grain - 5nw, 3 nymphs

WY site 5
7.7.21 barley pea aphid - 3a

WY site 3
7.7.21 barley no aphids

MT site 3
7.9.21 barley R. padi - 2nw
Eng grain - 7nw, 1a, 9 nymphs

MT site 8
7.9.21 SW R. padi - 1nw
Eng grain - 5 nymphs, 9nw

~~WY site 3~~
MT site 6
7.9.21 barley nymphs - 19
R. padi - 14nw
Eng grain - 54nw, 1a

MT site 5
Nat Veg 7.9.21 no aphids

MT site 5
7.9.21 barley S. elegans - 1a, 1nw
Rosegrass - 1a
Eng grain - 15 nymph, 15nw
R. padi - 22nw

~~MT site 5~~ colony - plant 1b seeds per pot, use after 2 wks
8.5.21

Spillman 1a
barley 6.18.21 Eng grain - 7nw, 5a, 1 nymph

Spillman 2a
sp wheat 6.18.21 Eng grain - 4nw, 1a, 1 nymph
R. padi - 5 nymphs

Spillman 1b
barley 6.18.21 Eng grain - 1nw, 1a,
Rosegrass - 1a (no stripes like mfc)
1 nymph ~~unknown~~ - Russian wheat

Spillman 2b
6.18.21 sp wheat Russian wheat - 7nw
Eng grain - 2nw, 3 nymphs
Mfc - 1a, 1nw

Lenville 1a
6.17.21 wheat Rosegrass - 1nw
mfc - 1a, 2nw
R. padi - 2a
Eng - 2a, 6nw

Lenville 1b
6.17.21 wheat no aphids Rosegrass - 1nw
Eng - 1a,
R. padi - 2 nymphs, 1a, 1nw

Lenville 2a
6.17.21 wheat Eng - 2a, 6nw, 1 nymph
2 nymph unknown

Parker 2a
6.17.21 Rosegrass - 1a, 2nw ✓
Eng - 2nw, 5a, 6 nymph

Parker 1b Eng - 4nw, 1nymph
 6.17.21 rosegrass 1nw Mfc
 Lenville 2b Eng - 5a, 1nw
 6.17.21
 Lenville site 2 Eng - 2nymphs
 7.2.21
 Parker 2b Rpadi - 2a, 1nw
 6.17.21 rosegrass - 2a
 Eng - 1nw, 2nymph, 6a
 Astin, WA Eng - 1nw, 2nymphs
 7.2.21 barley
 46.2403990, -117.2373220
 Parker 1b Eng - 6nw, 3 nymphs, 2a
 6.17.21 Rpadi - 1nw
 rosegrass - 1nw
 Mfc - 1nw
 Kimberly A Eng - 9nw, 1nymph
 wheat
 Gordon wheat no aphids
 7/7/21
 Hans A no aphids
 Nat Veg 7/8/21
 Hans B Eng - 1a pea aphid - 1a
 7/8/21 wheat Russian - 2a
 Clark
 wheat 7/7/21 no aphids
 Marshall no aphids
 barley 7/7/21
 Hans C Rpadi - 1a
 wheat 7/8/21
 Kimberly B Rpadi - 2a, 2bnw, 27nw
 Barley Rosegrass - ~~2a~~ 1a, 4
 gross one Russian - 24a + 17a 1000 + nw

WY

Site 3 Nat Veg
 old Hay field
 7.7.21

S. elegans - 5nw, 6a
 Eng - 3nw
 Rpadi - 7nw
 pea aphid - 16a

Thursday 8.4.21

- CDAR @ 2:30pm
- + new (+) BCOA plants (3)
- move 2 from big cage to small cages
- put 48 new plants in
 - 1 in each small
 - 2 in big
- aphid ID from WA & ID sites
- consolidate aphid ID

Friday 8.5.21

- + water colony (all zones)
- + new colony plants (2 trays) ← 1 mine
- new MFC plants ← 1 sent to BCOA
- + finish aphid ID
- + find glass vials
- make paper labels
- add aphid #s to datasheet
- + infected BCOA: 4 new plants
 - consolidate aphids to 1 cage
 - add clean aphids
- + look for clip cages
- + replant prelim exp plants
- swap barley for ~~ketse sp. wheat~~ Lambert
 (winter wheat)

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