Trial Info. – BTS CR+





• Planted: May 15, 2020

• Inoculated: July 7, 2020

• Harvested: September 18, 2020

• Location: Sec. 1, NW 1/4; Champion Twp., Wilkin County

• Objective: Determine the best fungicide program for the new CLS tolerance varieties.

Trial Info. – BTS CR+





- Three fungicide programs were tested:
 - Early
 - Start on time but only 3 applications were made (last spray July 31)
 - Late
 - Start at the end of July and only spray 3 applications
 - Season-long
 - Follow the MDFC program start on time and spray all season
- Three varieties were tested:
 - CR+ ~ CLS rating 1.90 ~ Beta 7996
 - CR1 ~ CLS rating 2.52 ~ Beta 7974
 - Traditional ~ CLS rating 3.91 ~ Beta 7741

CLS Rating Scale



Category 1 1-5 spots/leaf 0.1% severity



Category 2 6-12 spots/leaf 0.35% severity



Category 8 12% severity



Category 4 26-50 spots/leaf 1.5% severity



Category 5 51-75 spots/leaf 2.5% severity



Category 6 3% severity PROVEN ECONOMIC DAMAGE



Category 7 6% severity



Category 9 25% severity

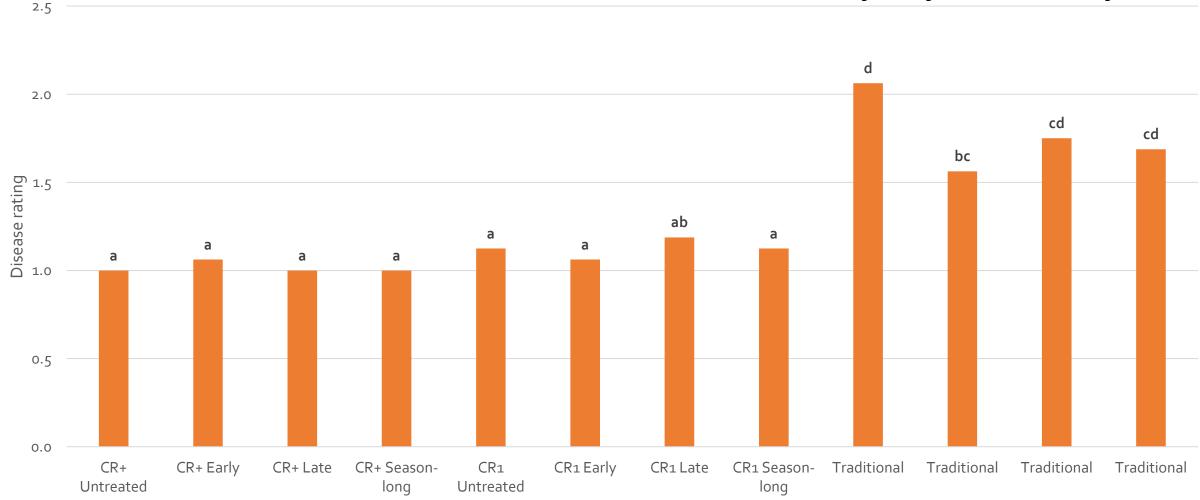


Category 10 50% severity



CLS Rating ~ August 11, 2020





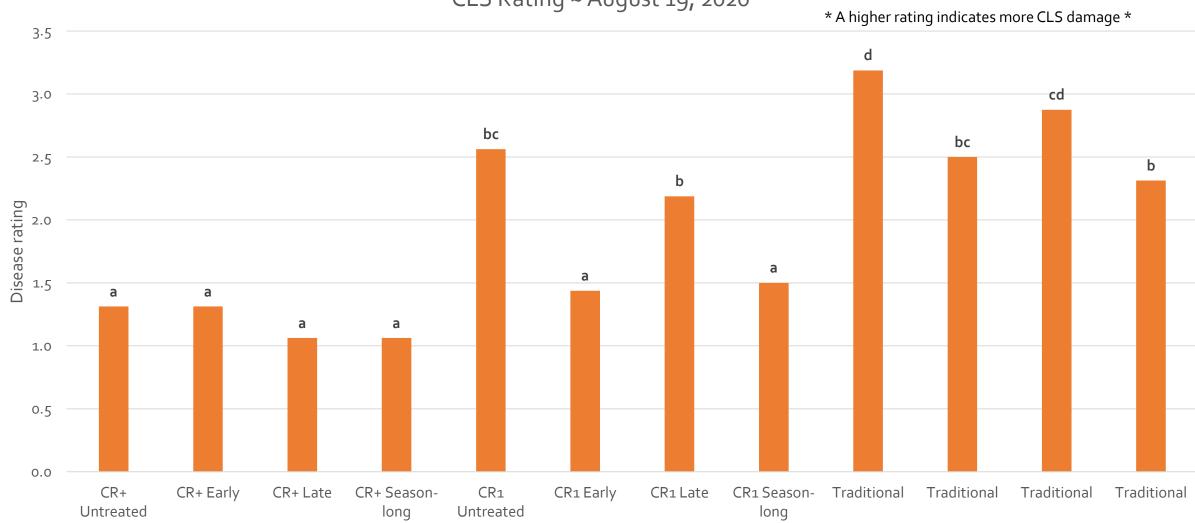
^{*}Treatments with the same letter are not statistically different*



LSD (p=0.10): 0.53

CV: 22.90

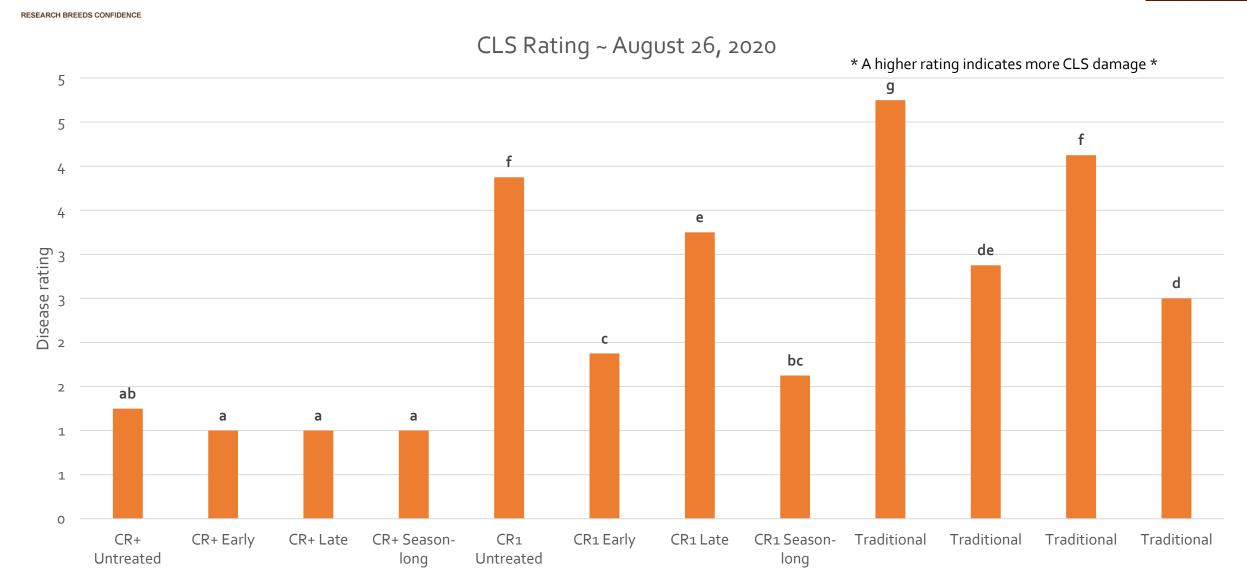




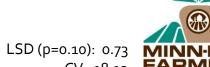
^{*}Treatments with the same letter are not statistically different*

LSD (p=0.10): 0.45 MINN-

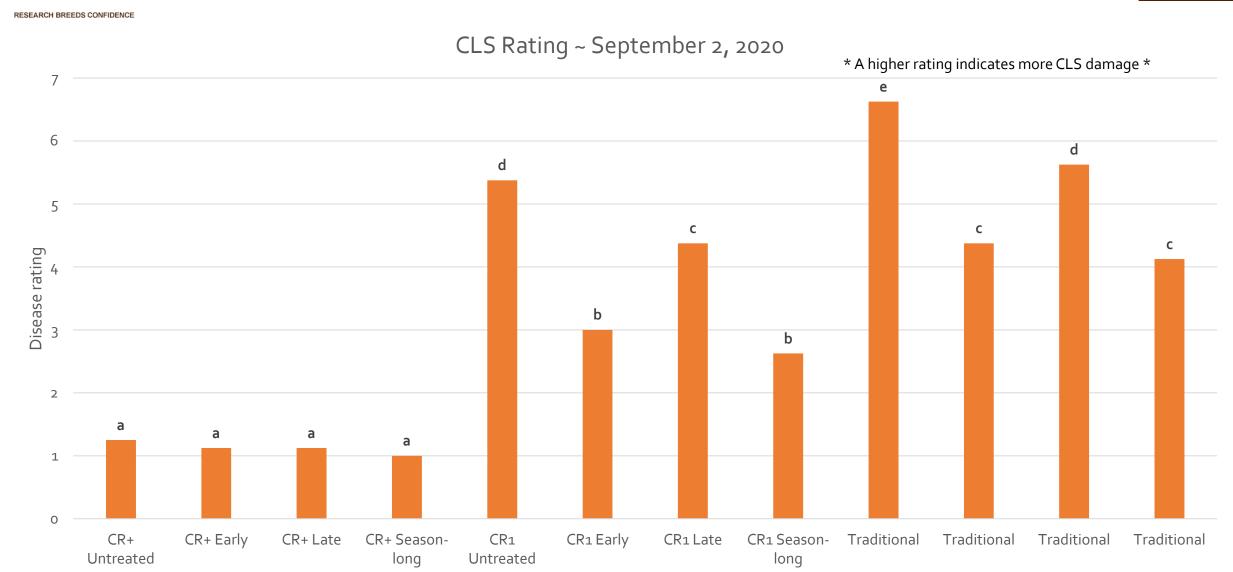
CV: 15.36



^{*}Treatments with the same letter are not statistically different*



CV: 18.12

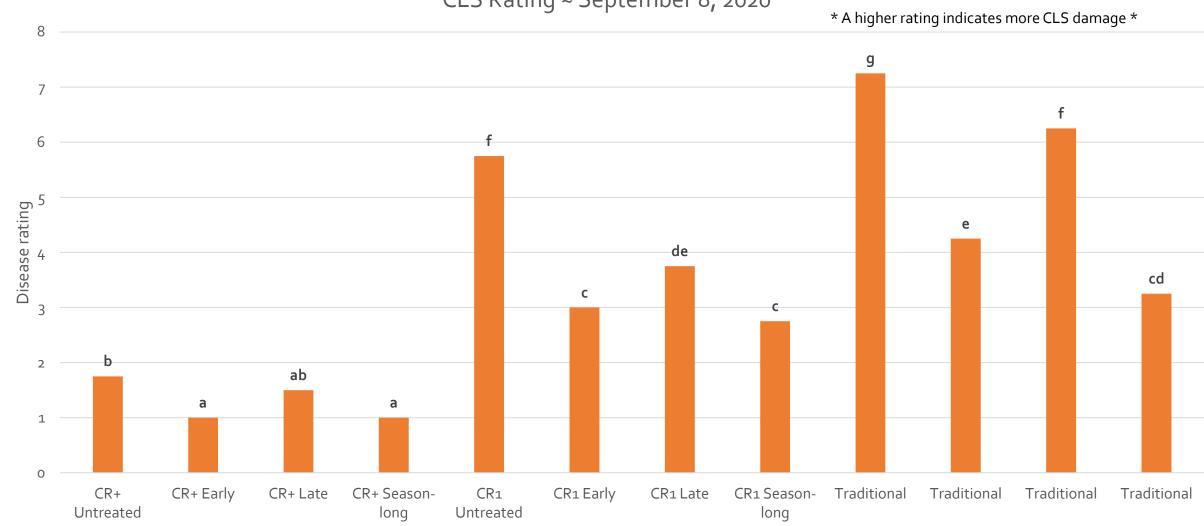


^{*}Treatments with the same letter are not statistically different*

LSD (p=0.10): 0.75 CV: 18.00

CV: 18.09





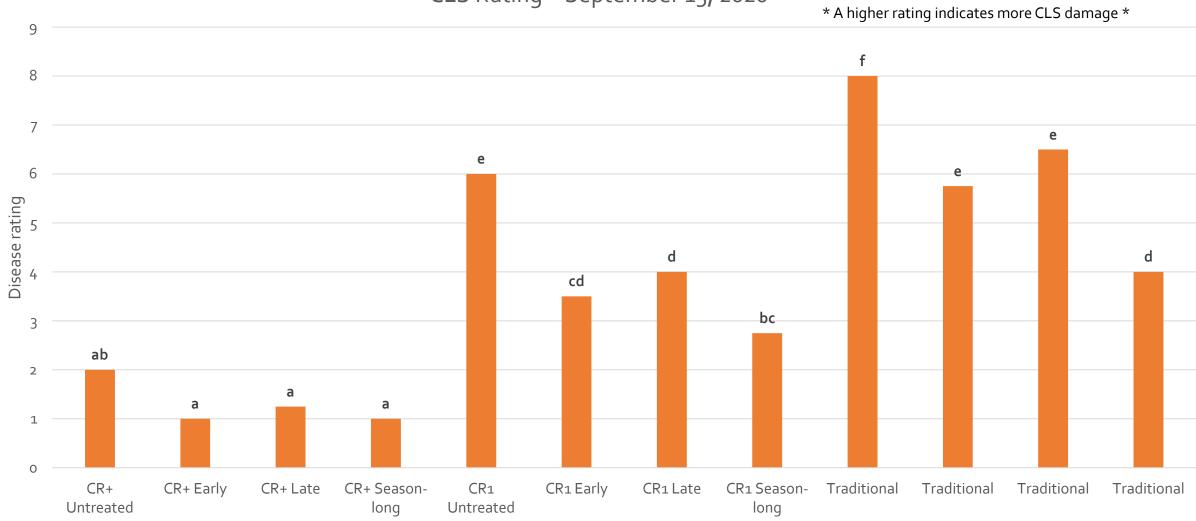
^{*}Treatments with the same letter are not statistically different*





CV: 25.43

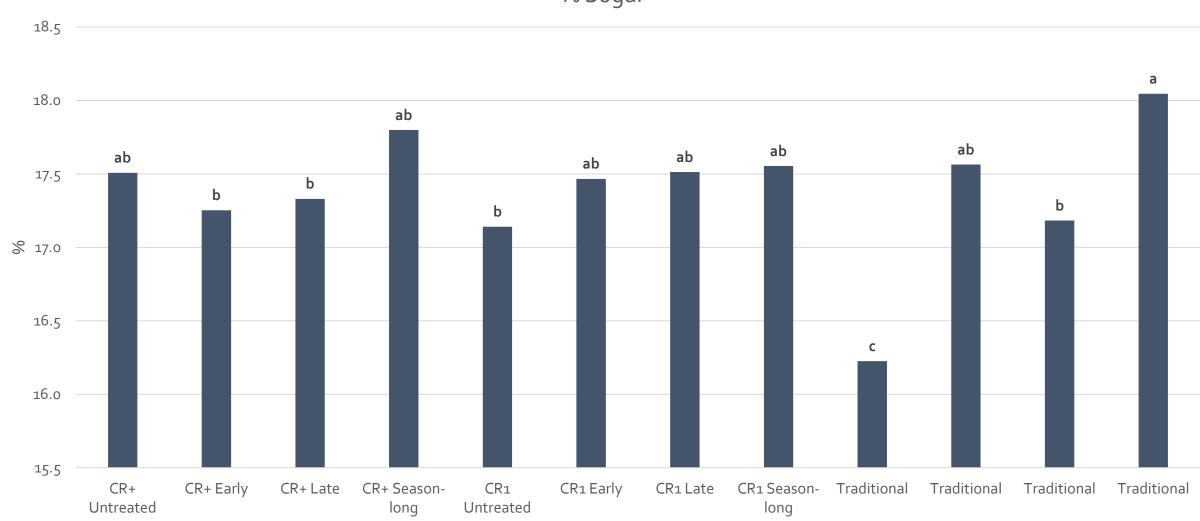




^{*}Treatments with the same letter are not statistically different*



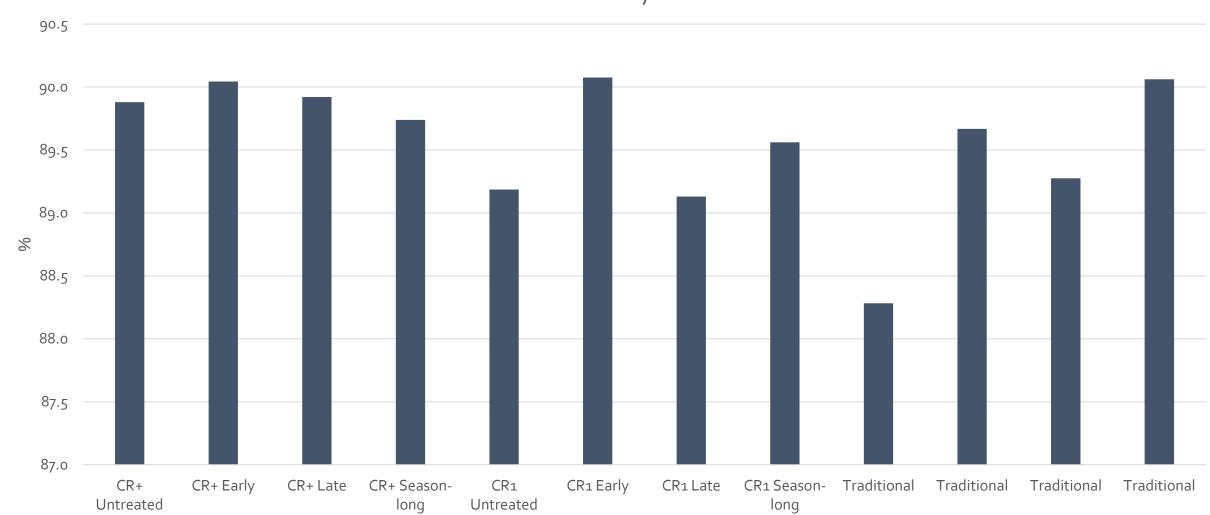




^{*}Treatments with the same letter are not statistically different*

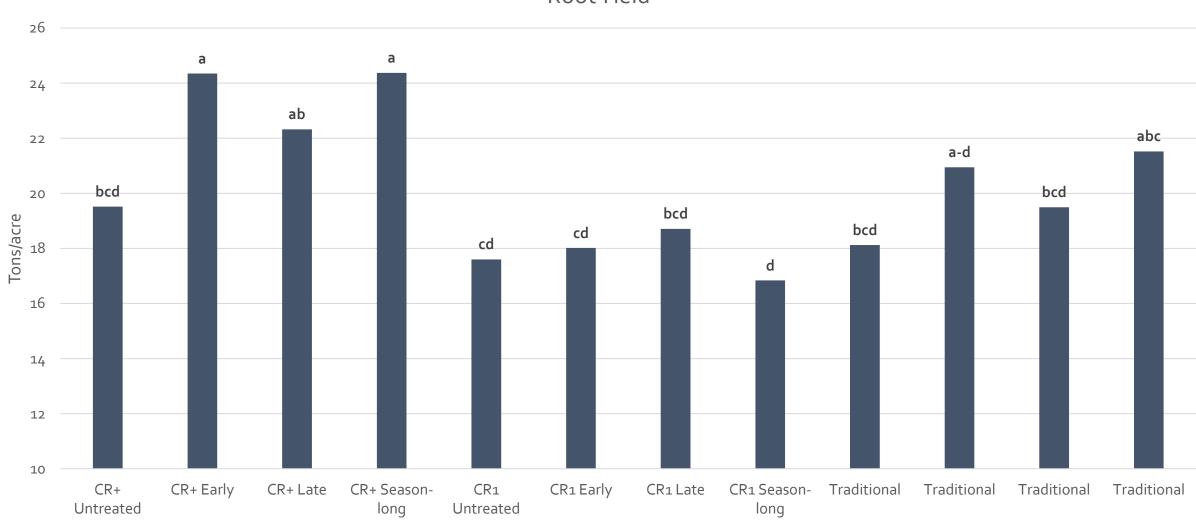


% Purity



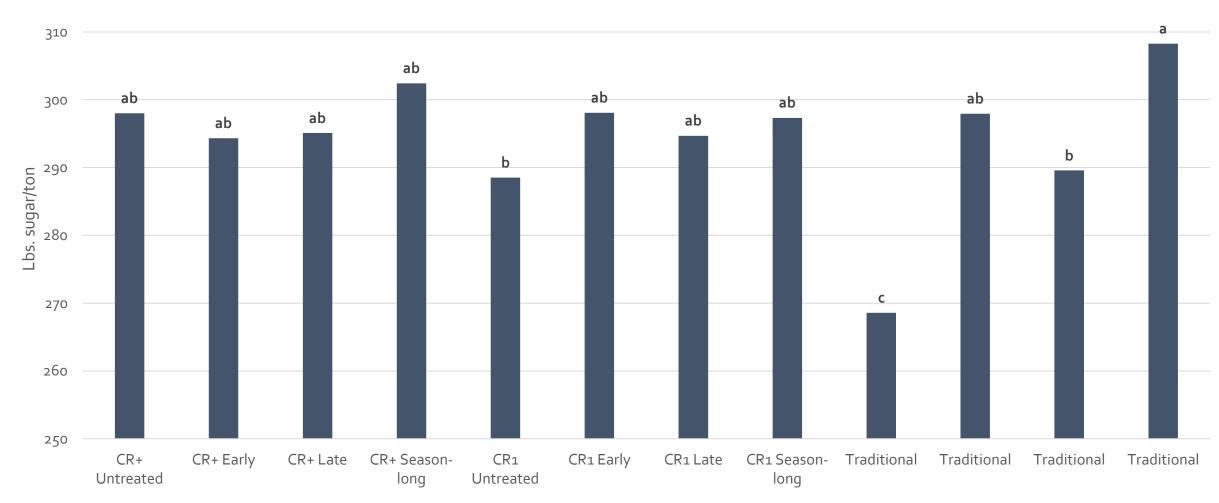


Root Yield





Recoverable Sugar per Ton



^{*}Treatments with the same letter are not statistically different*

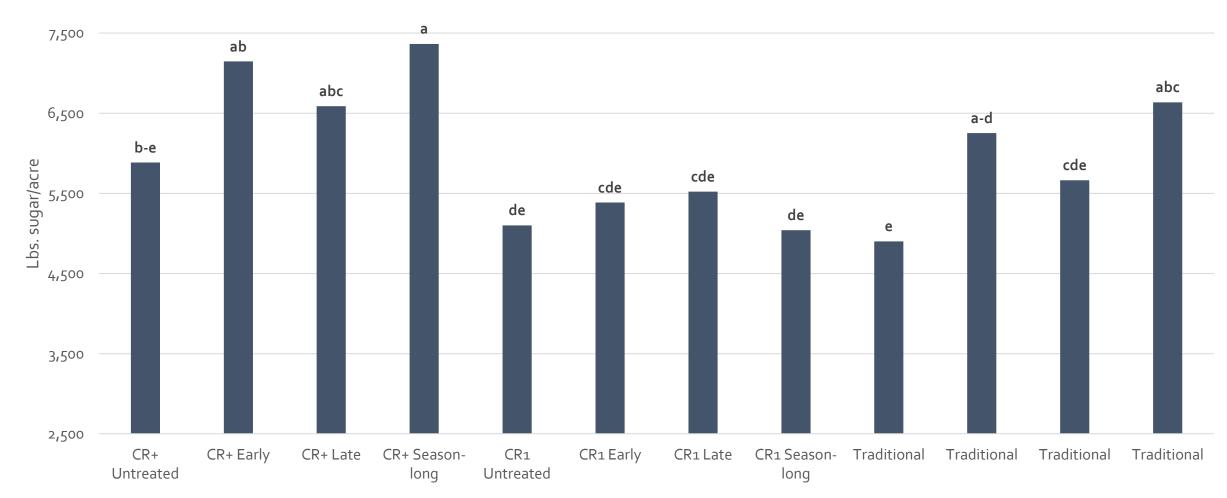
CV: 18.77



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Recoverable Sugar per Acre



^{*}Treatments with the same letter are not statistically different*





CR+ Untreated ~ 9/15/2020





CR+ Early ~ 9/15/2020





CR+ Late ~ 9/15/2020





CR+ Season-long ~ 9/15/2020





CR1 Untreated ~ 9/15/2020





CR1 Early ~ 9/15/2020





CR1 Late ~ 9/15/2020





CR1 Season-long ~ 9/15/2020





Traditional Untreated ~ 9/15/2020





Traditional Early ~ 9/15/2020





Traditional Late ~ 9/15/2020





Traditional Season-long ~ 9/15/2020