



**Oregon State University North Willamette Research and Extension Center: Aurora, OR
2019 Tomato Variety Trials**

Tomatoes were grown organically at the NWREC Learning Farm in Aurora, OR. Seedlings were grown at the OSU vegetable greenhouses in Corvallis and potted up two weeks before transplant. Fertilizer rates were determined by soil tests and nutrient needs, feather meal was broadcast pre-plant. Tomatoes were transplanted by hand on May 30, 2019 and spaced 24" within row and 5' 2" between rows, each variety had eight plants per plot. Tomatoes were grown in black plastic mulch with drip irrigation. Tomatoes were trained using the basket weave system. Evaluations were made using the middle six plants of each plot. Field Day participants rated fruits for flavor and appearance on September 12, 2019.

Oregon State University North Willamette Research and Extension Center: Aurora, OR 2019 Tomato Variety Trial Maturity							
Variety	Seed Source	Type	Fruit Color	Planting Date	First Ripe Fruit	First Ripe (Days after Transplant)	First Harvest
Red Racer	High Mowing	Saladette	Red	30-May	19-Jul	50	6-Aug
Siletz	Adaptive Seeds	Saladette	Red	30-May	5-Aug	67	21-Aug
*1 LB Resistant Red Beefsteak	Johnny's	Slicer	Red	30-May	21-Aug	83	21-Aug
*Damsel	Johnny's	Slicer	Pink	30-May	31-Jul	62	21-Aug
*Galahad	EarthWork Seeds	Slicer	Red	30-May	13-Aug	75	27-Aug
*Mountain Merit	Johnny's	Slicer	Red	30-May	13-Aug	75	21-Aug
1 LB Resistant Pink Beefsteak	Johnny's	Slicer	Pink	30-May	21-Aug	83	21-Aug
Crimson Sprinter	High Mowing	Slicer	Red	30-May	5-Aug	67	21-Aug
EZ 2	Vitalis	Slicer	Red	30-May	13-Aug	75	27-Aug
Frederick	Vitalis	Slicer	Red	30-May	5-Aug	67	21-Aug
Mountain Gem	Bejo Seeds	Slicer	Red	30-May	13-Aug	75	4-Sept
OSU LB21-7-4	Jim Myers OSU	Slicer	Red	30-May	31-Jul	62	21-Aug
Pilu	Adaptive Seeds	Slicer	Red	30-May	26-Jul	57	13-Aug



KEY:

*3 replicates all others not replicated

Oregon State University North Willamette Research and Extension Center: Aurora, OR 2019 Tomato Variety Trial Fruit & Plant Characteristics						
Variety	Fruit Height (cm)	Fruit Width (cm)	Leaf Cover**	Leaf Curl***	Fruit Weight (oz)	Yield****
Red Racer	4.1	4.8	4	4	1.6	9
Siletz	5.7	7.0	5	1	6.8	8
*1 LB Resistant Red Beefsteak	7.3	9.2	4	2	9.0	6
*Damsel	6.2	7.6	4.33	3	6.5	5
*Galahad	6.3	7.1	3.67	2	6.5	4
*Mountain Merit	6.5	7.7	3	3	6.6	5
1 LB Resistant Pink Beefsteak	6.5	8.4	4	3	10.2	4
Crimson Sprinter	6.5	7.7	4	2	5.3	4
EZ 2	6.9	8.9	5	3	10.5	8
Frederick	6.1	7.8	3	1	5.5	5
Mountain Gem	6.6	8.2	5	3	6.5	7
OSU LB21-7-4	6.1	8.9	4	3	10.5	6
Pilu	4.7	5.2	3	2	2.8	7

KEY:

* 3 replicates all others not replicated

**Scores based on a 1-5 scale, 5=best cover

***Scores based on a 1-5 scale, 5=most leaf curl

****Scores based on a 1-9 scale, 9=highest/best



Oregon State University North Willamette Research and Extension Center: Aurora, OR 2019 Tomato Variety Post-Harvest Ratings								
Variety	Brix**	Appearance	Flavor	Sweetness	Sugar-Acid	Aftertaste	Skin Thickness	Overall Rating***
Red Racer	5.10	6.9	5.6	5.9	5.9	6.1	6	6.1
Siletz	4.50	5.9	4.3	3.6	4.6	4.7	5.7	4.8
*1 LB Resistant								
Red Beefsteak	5.63	5.2	5.5	4.5	5.2	5.3	6	5.3
*Damsel	6.03	5.9	5.9	6	4.9	6.1	5.4	5.7
*Galahad	5.55	5.3	5.4	4.6	5.1	4.5	4.3	4.9
*Mountain								
Merit	4.97	5.1	4.7	5	4	4.3	4.4	4.6
1 LB Resistant								
Pink Beefsteak	5.20	4.6	4.8	4.6	5.5	5.4	4.3	4.9
Crimson								
Sprinter	6.00	5.4	4	4.4	4.3	4.6	4.3	4.5
EZ 2	3.90	5.7	4	4	4.1	3.7	4.3	4.3
Frederick	5.00	5.9	3.9	3.5	3.5	3.5	4.7	4.2
Mountain Gem	4.30	6	5.6	4.8	5.3	5.6	5.5	5.5
OSU LB21-7-4	5.80	5.7	4.7	4.3	4	4.6	5.4	4.8
Pilu	4.80	5.6	4.1	4.1	3.9	4	4.4	4.4

KEY:

*3 replicates all others not replicated

**Brix average of 10 fruits

***Scores based on a 1-9 scale, 9=highest/best