

**Table 1:** Lettuce varieties, sources, and planting dates

<b>Assigned Accession</b>	<b>Variety</b>	<b>Seeding #1</b>	<b>Transplant #1</b>	<b>Seeding #2</b>	<b>Transplant #2</b>	<b>Source</b>
1JFG20	Parris Island Cos	1/13/20	4/20/20	3/23/20	5/8/20	Baker Creek
2JFG20	Marvel of 4 Seasons RG	1/13/20	4/20/20	3/23/20	5/8/20	Brad Tonnessen
3JFG20	Mikola RG X	1/13/20	4/20/20	3/23/20	5/8/20	Brad Tonnessen
4JFG20	Tropicana	1/13/20	4/20/20	3/23/20	5/8/20	Johnnys
5JFG20	Muir	1/13/20	4/20/20	3/23/20	5/8/20	Johnnys
6JFG20	Sparx	1/13/20	4/20/20	3/23/20	5/8/20	Johnnys
7JFG20	Anuenue	1/13/20	4/20/20	3/23/20	5/8/20	Wild Garden Seed
8JFG20	Deer Tongue Lettuce	1/13/20	4/20/20	3/23/20	5/8/20	Richard Heerema



**Figure 1: Lettuce Varieties.** Each number corresponds to the accession shown on Table 1.

**Table 2:** Yield, size, quality, and bolting rates of the two lettuce successions

**A) 1<sup>st</sup> Trial (Transplant 4/20/20, Harvest 5/27/20)**

Variety #	Total Weight (kg)	Avg Dia (cm)	Avg Height (cm)	1st Bolting Date		50% Bolted Date		Bitterness Scale Avg.
				Earliest	Latest	Earliest	Latest	
1JFG20	1.99	21.30	19.20	5/26	6/1	5/28	6/3	1.3
2JFG20	0.97	16.03	14.00	5/19	5/21	5/26	5/28	1.3
3JFG20	1.24	16.33	13.33	6/1	6/3	6/3	6/4	1.3
4JFG20	1.47	21.00	14.37	5/20	5/25	5/26	5/28	1.5
5JFG20	1.23	14.70	11.50	6/1	6/1	6/3	6/4	1.2
6JFG20	1.87	22.30	18.80	5/25	6/1	6/1	6/3	0.5
7JFG20	1.71	17.30	16.47	5/15	5/26	5/28	5/28	0.5
8JFG20	1.68	15.53	17.57	5/15	5/23	5/26	5/28	3.5

**B) 2<sup>nd</sup> Trial (Transplant 5/8/20, Harvest 6/17/20)**

Variety #	Total Weight (kg)	Avg Dia (cm)	Avg Height (cm)	1st Bolting Date		50% Bolted Date		Bitterness Scale Avg.
				Earliest	Latest	Earliest	Latest	
1JFG20	2.09	22.33	18.67	6/16	6/17	6/23	6/23	2.5
2JFG20	0.93	13.23	10.57	6/16	6/22	6/22	6/25	1.5
3JFG20	1.32	16.27	12.20	7/1	7/3	7/9	7/10	0.5
4JFG20	2.05	21.40	16.00	6/16	6/17	6/23	6/26	3.0
5JFG20	1.62	15.13	11.37	7/1	7/2	7/7	7/10	1.0
6JFG20	2.37	22.63	18.90	6/22	6/23	6/26	6/26	1.0
7JFG20	2.05	16.70	13.07	6/16	6/17	6/22	6/23	0.0
8JFG20	2.39	15.53	17.07	6/16	6/17	6/22	6/23	3.0

Total Weight from 10 cut lettuce heads. Averaged across 3 replicate plots. Bolting rates based on observation of 10 heads left unharvested.



**Figure 2:** Seed-saving of best performing un-patented lettuce varieties. Trellises prevent lodging during the bolting and flowering process.



**Figure 3:** Representative fruit from 14 single plant selections of “Chimayo” x “Espanola improved” (David Archuleta, Alcalde, NM)



**Figure 4:** Single plant selections in isolation cages to prevent cross-pollination  
(David Archuleta, Alcalde, NM)



**Figure 5:** The expected phenotype of “Melon Mexicano” (Miguel Santistevan, Taos, NM)



**Figure 6:** Fruit from the 14 single plant selections of "Corrales Native" (Ramon Sias, Corrales, NM)





**Figure 7:** Single plant selection cages of “Corrales Native” (Ramon Sias, Corrales, NM)