



**2025 Northern Ohio Processing Cabbage Variety Trial**  
Ohio Agricultural Research Development Center  
North Central Agricultural Research Station, Fremont Ohio

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Cabbage is an important specialty crop in Sandusky County. While some fresh market Cabbage is grown in the county, a majority grown is processing cabbage. Sandusky County is fortunate to have one of the largest sauerkraut processing plants in the industry, The Fremont Company. This evaluation is possible due to the Fremont Company's desire to find the best varieties suited to this area that can be used for sauerkraut production, and to evaluate those varieties for maturity and quality to both extend the harvest season and improve the quality of their product.

The OARDC's North Central Agricultural Research Station is ideally located for the Fremont Company's production area. All varieties included in the trial were recommended by The Fremont Company. The trial was to examine general characteristics of the cabbage, including observed maturity, tonnage harvested, internal color of heads, Brix levels, thrips severity, and disease activity at 3 different harvest dates. This trial was intended as an evaluation to establish a baseline for the varieties grown.

This report contains several different evaluations that may need some explanation. The first part of the report is the log of operation detailing all field operations. Operations conducted in the greenhouse prior to planting are available upon request.

The Harvest Data section looks at harvest dates and data. Harvest was judged by cutting heads and examining how many green leaves were on the head. Less than six green leaves indicated timing for the variety to be harvested. Second and third harvests were then approximately seven days and fourteen days later. This section also shows yield data. Charts show total yield, useable yield and may indicate the reason for the cull loss.

The Head Evaluation section gives all the data about each variety. The data is an average of two heads that were evaluated at each harvest. All three harvests are shown, and an average of all harvests is highlighted at the bottom of each variety. Included in this evaluation is the Onion Thrips Severity Rating. This rating examines both the severity of thrip damage and the leaf depth at which it was found. This rating study was developed by Christine Anne Hoepting of Cornell University Extension and there is copy of the chart at the end of the report.

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- The Fremont Company
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<b>2025 Processing Cabbage Log of operations</b>								
<b>Date</b>	<b>Project Leader</b>	<b>Project</b>	<b>Field ID</b>	<b>Description of Operation</b>	<b>Staff # &amp; hours</b>	<b>Total Staff hours</b>	<b>Seasonal Staff # and hours</b>	<b>Total Seasonal Staff hours</b>
8/29/2024	Gastier	Processing Cabbage	AE	Deep ripped all but Rye cover and double crop soybeans with 6155M and Landoll 1500 inline deep ripper	1-2.0	2		
11/27/2024	Gastier	Processing Cabbage	AE	Deep ripped bean area with 6155M and Landoll 1500 inline deep ripper	1-.75	0.75		
3/17/2025	Gastier	Processing cabbage	AE	Recovered greenhouse - Al Gahler, Nathan and Mitch from NW and Carlos and Liz from Muck assisted	2-3.5, 2-2, 1-1.5	12.5	1-3.5, 1-1.5	5
3/18/2025	Gastier	Processing cabbage	AE	Replaced jet tube in greenhouse	2-2.0	4		
3/19/2025	Gastier	Processing cabbage	AE	Started disinfecting greenhouse plastic and benches	1-3.0	3	1-1.5	1.5
3/20/2025	Gastier	Processing cabbage	AE	Disinfected heatmats, dibblers	1-.5	0.5		
3/24/2025	Gastier	Processing cabbage	AE	Set up and disinfected flat filler, headhouse, finished setting up heatmats	1-2.0	2	1-2.0	2
3/25/2025	Gastier	Processing cabbage	AE	Put up and disinfected greenhouse divider and finished setting up flat filler	1-1.5	1.5		

3/27/2025	Gastier	Processing cabbage	AE	Filled 38 -200 cell trays and made tags for seeding	1-.75, 1-.75	1.5	1-.75	0.75
3/27/2025	Gastier	Processing cabbage	AE	Seeded 18 varieties, 2 trays/variety and 1 tray each of Broccoli and mix of Cauliflower and Brussel sprouts.Cabbage varieties seeded - TCA-576, TCA-485, T-853, Padoc, Nixon, EXP 3708, Passat, EXP 3738, Braveheart (B3610), Report, Bellicose, Eraton (B3513), Ottawa (9355), XCB 2361, Kilacees, SGW 0384, Adelco, and Novaton. Broccoli - Abrams and Hancock: Cauliflower - Minuteman and Snow Crown: Brussels Sprouts - Jade Cross Regular	2-3.0	6	1-3.0	3
4/3/2025	Gastier	Processing Cabbage	AE	Trial received 1.35 inches of rainfall				
4/5/2025	Gastier	Processing Cabbage	AE	Trial received .65 inches of rainfall				
4/6/2025	Gastier	Processing Cabbage	AE	Trial received .35 inches of rainfall				
4/9/2025	Gastier	Processing cabbage	AE	Thinned and pricked Trial			1-2.5	2.5
4/10/2025	Gastier	Processing Cabbage	AE	Trial received .4 inches of rainfall				
4/11/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.5	0.5		
4/15/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.25	0.25		

4/15/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
4/17/2025	Gastier	Processing cabbage	AE	Took down greenhouse divider and set up remaining center benches	1-.5	0.5	1-.5	0.5
4/18/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.25	0.25		
4/19/2025	Gastier	Processing Cabbage	AE	Trial recieved .15 inches of rainfall				
4/20/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
4/23/2025	Gastier	Processing Cabbage	AE	Disk chiseled field with JD6155M and Billion 7 shank disk chisel	1-.75	0.75		
4/23/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.5	0.5		
4/24/2025	Gastier	Processing Cabbage	AE	Worked field with JD6155M and Landoll Finisholl	1-.75	0.75		
4/25/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.5	0.5		
4/26/2025	Gastier	Processing Cabbage	AE	Trial received .6 inches of rainfall				
4/28/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.5	0.5		
4/28/2025	Gastier	Processing cabbage	AE	Turned trays to lessen edge effect	1-.25	0.25		

5/1/20 25	Gastier	Processi ng Cabbage	AE	Worked field with JD6155M and Landoll Finisholl	1- .75	0.75		
5/1/20 25	Gastier	Processi ng cabbage	AE	Fertilized with 200ppm 20-20-20	1- .25	0.25		
5/2/20 25	Gastier	Processi ng Cabbage	AE	Trial received .15 inches of rainfall				
5/3/20 25	Gastier	Processi ng Cabbage	AE	Trial received .35 inches of rainfall				
5/4/20 25	Gastier	Processi ng Cabbage	AE	Trial received .65 inches of rainfall				
5/5/20 25	Gastier	Processi ng cabbage	AE	Put racks on and disinfected 1st wagon	1- .25	0.25	1-.25	0.25
5/5/20 25	Gastier	Processi ng cabbage	AE	Moved plants onto wagon to harden off	1-.5	0.5	2-.5	1
5/5/20 25	Gastier	Processi ng Cabbage	AE	Trial received .6 inches of rainfall				
5/8/20 25	Gastier	Processi ng Cabbage	AE	Trial received .1 inches of rainfall				
5/9/20 25	Gastier	Processi ng cabbage	AE	Fertilized with 200ppm 20-20-20	1-.5	0.5		
5/12/2 025	Gastier	Processi ng Cabbage	AE	Set drive flags for spreading fertilizer	1-.5	0.5	1-.5	0.5
5/12/2 025	Gastier	Processi ng Cabbage	AE	Fertilized field with 400lbs/A 0-0-60, 150 lbs/A 11-52-0, 150 lbs/A 21-0-0-24(AMS) 175 lbs/A 46-0-0 and 10lbs/A	1-.5	0.5		

				<b>Boron With 7210 and cart from Andersons cart set for double spread</b>				
<b>5/12/2025</b>	<b>Gastier</b>	<b>Processing cabbage</b>	<b>AE</b>	<b>Put racks on and disinfected 2nd wagon</b>	<b>1-.25</b>	<b>0.25</b>	<b>1-.25</b>	<b>0.25</b>
<b>5/13/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Trial received .05 inches of rainfall</b>				
<b>5/14/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Trial received .6 inches of rainfall</b>				
<b>5/15/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Trial received .8 inches of rainfall</b>				
<b>5/16/2025</b>	<b>Gastier</b>	<b>Processing cabbage</b>	<b>AE</b>	<b>Fertilized with 200ppm 20-20-20</b>	<b>1-.75</b>	<b>0.75</b>		
<b>5/19/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Worked field with 7210 and Perfecta</b>	<b>1-.75</b>	<b>0.75</b>		
<b>5/19/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Workd field with 6155M landoll and Packer</b>	<b>1-.75</b>	<b>0.75</b>		
<b>5/19/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Drove alleys with 6310 for plot start and stop marks</b>	<b>1-.5</b>	<b>0.5</b>		
<b>5/20/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Herbicide application - 16 oz/A Dual Magnum, 8 oz/A Command 3ME, 32 oz/A Ag Saver Glyphosate, 11.2 oz/A Induce NIS and 11.2 oz/A Request</b>	<b>1-1.0</b>	<b>1</b>		
<b>5/20/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Set flags for spraying cabbage</b>	<b>1-.5</b>	<b>0.5</b>	<b>1-.5</b>	<b>0.5</b>
<b>5/21/2025</b>	<b>Gastier</b>	<b>Processing Cabbage</b>	<b>AE</b>	<b>Trial received .4 inches of rainfall</b>				

5/22/2025	Gastier	Processing Cabbage	AE	Trial received 1.7 inches of rainfall				
5/23/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-1.0	1		
5/23/2025	Gastier	Processing cabbage	AE	Put racks on and disinfected 3rd wagon	1-.25	0.25	1-.25	0.25
5/23/2025	Gastier	Processing Cabbage	AE	Trial received .1 inches of rainfall				
5/26/2025	Gastier	Processing cabbage	AE	Fertilized with 200ppm 20-20-20	1-.25	0.25		
5/27/2025	Gastier	Processing Cabbage	AE	Transplanted Trial with JD 6310 and two row transplanter .7qt 10-34-0/50gal transplant water. 16" inrow spacing Need to use shims to keep transplanter from shifting	2-3.0	6	3-3.0	9
5/27/2025	Gastier	Processing Cabbage	AE	Set out plot stakes	1-.5	0.5	3-.5	1.5
6/3/2025	Gastier	Processing cabbage	AE	Emptied soil out of flat filler			3-1.0	3
6/6/2025	Gastier	Processing Cabbage	AE	Trial received .1 inches of rainfall				
6/9/2025	Gastier	Processing Cabbage	AE	Trial received .3 inches of rainfall				
6/14/2025	Gastier	Processing Cabbage	AE	Trial received 1.9 inches of rainfall				

6/16/2025	Gastier	Processing cabbage	AE	Washed out flat filler			2-.75	1.5
6/16/2025	Gastier	Processing cabbage	AE	Took racks off and cleaned up 2 of the wagons			2-1.0	2
6/17/2025	Gastier	Processing Cabbage	AE	Insecticide Application - 5 oz/A Movento and 1 lb/A Javelin WG	1-.5	0.5		
6/17/2025	Gastier	Processing Cabbage	AE	Cultivated Trial with Kubota and 2 row cultivator	1-.75	0.75		
6/17/2025	Gastier	Processing Cabbage	AE	Trial received .25 inches of rainfall				
6/18/2025	Gastier	Processing Cabbage	AE	Trial received .35 inches of rainfall				
6/19/2025	Gastier	Processing Cabbage	AE	Trial received .45 inches of rainfall				
6/23/2025	Gastier	Processing Cabbage	AE	Cultivated Trial with Kubota and 2 row cultivator	1-.5	0.5		
6/23/2025	Gastier	Processing Cabbage	AE	Hoed and hand weeded Trial			4-1.5	6
6/24/2025	Gastier	Processing Cabbage	AE	Insecticide Application - 5 oz/A Movento and 1 lb/A Javelin WG	1-.5	0.5		
6/24/2025	Gastier	Processing Cabbage	AE	Fungicide Application - 1 lb/A Manzate Prostick and 8 oz/A Orondis Ultra	1-.5	0.5		
6/26/2025	Gastier	Processing cabbage	AE	took down center benches in greenhouse			2-1.0	2

6/30/2025	Gastier	Processing Cabbage	AE	Trial received .7 inches of rainfall				
7/3/2025	Gastier	Processing Cabbage	AE	Insecticide application - 8 oz/A Radiant and 8.9 oz/A Activator 90 NIS	1-5	0.5		
7/3/2025	Gastier	Processing Cabbage	AE	Trial received .1 inches of rainfall				
7/7/2025	Gastier	Processing Cabbage	AE	Hoed and hand weeded Trial			3-.75	2.25
7/7/2025	Gastier	Processing Cabbage	AE	Trial received .1 inches of rainfall				
7/8/2025	Gastier	Processing Cabbage	AE	Trial received 1.7 inches of rainfall				
7/9/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
7/11/2025	Gastier	Processing Cabbage	AE	Hoed and hand weeded Trial			3-1.25	3.75
7/12/2025	Gastier	Processing Cabbage	AE	Insecticide application - 10.3 oz/A Hero	1-.25	0.25		
7/16/2025	Gastier	Processing Cabbage	AE	Trial received 1.5 inches of rainfall				
7/19/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
7/20/2025	Gastier	Processing Cabbage	AE	Trial received .45 inches of rainfall				

7/23/2025	Gastier	Processing Cabbage	AE	Insecticide Application - 1.9 oz/A Warrior II, 8 oz/A Radiant and 8.9 oz/A R56	1-.25	0.25		
7/23/2025	Gastier	Processing Cabbage	AE	Fungicide application - 11.2 oz/A Miravis Prime and 2.75 oz/A Ranman	1-.25	0.25		
7/24/2025	Gastier	Processing Cabbage	AE	Hoed and pulled big weeds			2-1.0	2
7/26/2025	Gastier	Processing Cabbage	AE	Trial received .75 inches of rainfall				
7/28/2025	Gastier	Processing Cabbage	AE	Made and put out new plot stakes in Trial for harvest and field night	1-.5	0.5	2-1.0	2
7/28/2025	Gastier	Processing Cabbage	AE	Trial received .2 inches of rainfall				
7/31/2025	Gastier	Processing Cabbage	AE	Trial received .9 inches of rainfall				
8/1/2025	Gastier	Processing Cabbage	AE	Trial received .35 inches of rainfall				
8/4/2025	Gastier	Processing Cabbage	AE	Insecticide application - 4 oz/A Assail and 11.5 oz/A NIS	1-.5	0.5		
8/11/2025	Gastier	Processing Cabbage	AE	Trial received .1 inches of rainfall				
8/13/2025	Gastier	Processing Cabbage	AE	Trial received .55 inches of rainfall				
8/14/2025	Gastier	Processing Cabbage	AE	Insecticide application - 4 oz/A Assail and 11.5 oz/A NIS	1-.5	0.5		

8/14/2025	Gastier	Processing Cabbage	AE	Fungicide application - 2 pt/A Initiate and 2.75 oz/A Ranman	1-.5	0.5		
8/19/2025	Gastier	Processing Cabbage	AE	Trial received .2 inches of rainfall				
8/20/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
8/22/2025	Gastier	Processing Cabbage	AE	Fungicide and insecticide application - 1 oz/A Actigard and 15 oz/A Exirel	1-.5	0.5		
8/22/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 1st harvest Padoc and TCA 576	1-.5	0.5	1-.5	0.5
8/28/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
8/29/2025	Gastier	Processing Cabbage	AE	Fungicide application - 2 pt/A Initiate and 8 oz/A Procure	1-.5	0.5		
8/29/2025	Gastier	Processing Cabbage	AE	Insecticide application - 2.8 oz/A baythroid XL	1-.5	0.5		
8/29/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 2nd harvest Padoc and TCA 576	2-.5	1		
9/4/2025	Gastier	Processing Cabbage	AE	Trial received .3 inches of rainfall				
9/5/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 1st harvest: Nixon and TCA 485; 3rd harvest: Padoc and TCA 576	1-1.0	1		
9/12/2025	Gastier	Processing Cabbage	AE	Fungicide and insecticide application - 15 oz/A Quadris and 4 oz/A Mustang Maxx	1-.5	0.5		

9/12/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 2nd harvest Nixon and TCA 485	1-5	0.5		
9/19/2025	Gastier	Processing Cabbage	AE	Fungicide and insecticide application - 2 pt/A initiate and 4 oz/A Mustang Maxx	1-5	0.5		
9/19/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 3rd harvest Nixon and TCA 485 1st harvest Bellicose and Braveheart	1-.75	0.75		
9/23/2025	Gastier	Processing Cabbage	AE	Trial received .1 inches of rainfall				
9/24/2025	Gastier	Processing Cabbage	AE	Trial received .2 inches of rainfall				
9/25/2025	Gastier	Processing Cabbage	AE	Trial received .3 inches of rainfall				
9/26/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 2nd harvest Bellicose and Braveheart; 1st harvest - EXP 3738	1-.75	0.75		
10/3/2025	Gastier	Processing Cabbage	AE	Harvested and evaluated cabbage - 3rd harvest - Bellicose and Braveheart; 2nd harvest EXP3738; 1st harvest - EXP 3708 and XCB 2361	1-.75	0.75		
10/7/2025	Gastier	Processing Cabbage	AE	Trial received .75 inches of rainfall				
10/17/2025	Gastier	Processing cabbage	AE	Harvested and evaluated cabbage - 3rd harvest - EXP 3708 and XCB 2361; 2nd harvest passat	1-.75	0.75		
10/19/2025	Gastier	Processing Cabbage	AE	Trial received .85 inches of rainfall				
10/21/2025	Gastier	Processing cabbage	AE	Trial received .05 inches of rainfall				

10/23/2025	Gastier	Processing Cabbage	AE	Trial received .15 inches of rainfall				
10/30/2025	Gastier	Processing cabbage	AE	Trial received 1.6 inches of rainfall				
11/7/2025	Gastier	Processing Cabbage	AE	Trial received .15 inches of rainfall				
11/10/2025	Gastier	Processing cabbage	AE	Trial received .5 inches of rainfall				
11/18/2025	Gastier	Processing Cabbage	AE	Trial received .05 inches of rainfall				
10/23/2025	Gastier	Processing cabbage	AE	Harvested and Evaluated cabbage - 3rd harvest Passat and 1st harvest Report and Adelco	1-.75	0.75		
10/31/2025	Gastier	Processing cabbage	AE	Harvested and evaluated cabbage - 2nd harvest - Report and Adelco; 1st harvest - Eraton and Ottawa	1-.75	0.75		
11/7/2025	Gastier	Processing cabbage	AE	Harvested and evaluated cabbage - 3rd harvest - Report and Adelco; 2nd harvest - Eraton and Ottawa; 1st harvest - Kilacees, Novaton, SWG0348 and TCA853	1-1.0	1	1-1.0	1
11/14/2025	Gastier	Processing cabbage	AE	Harvested and evaluated cabbage - 3rd harvest - Eraton and Ottawa; 2nd harvest - Kilacees, Novaton, SWG0348 and TCA854	1-.5	0.5		
11/21/2025	Gastier	Processing Cabbage	AE	Final Harvest and evaluation of cabbage for the year - 3rd harvest - Kilacees, Novaton, SWG0348 and TCA854	1-.5	0.5		
11/21/2025	Gastier	Processing cabbage	AE	Disked cabbage plot area 2 times with JD7210 and 10ft IH disk	1-.5	0.5		

## Observations and Notes

Plots were planted in 30" rows and were not on raised beds. Disease pressure was moderate this season. In general, the plot was below average in appearance and yield, due to wet weather at planting and dry weather after August 1. Thrip pressure was light this season.

**Table 1. Harvest Data and Tonnage per acre**

Variety	Harvest Date	Days After Transplant	Harvested Tons	Marketable Heads/10	Marketable Tons	Cull Tons
<b>Padoc</b>	8/22/25	87	53.49	10	53.49	0
	8/29/2025	94	55.24	10	55.24	0
	9/5/2025	101	39.49	4	17.39	22.10
			<b>49.41</b>	<b>8.0</b>	<b>42.04</b>	<b>22.10</b>
<b>TCA 576</b>	8/22/2025	87	47.43	10	47.43	7.37
	8/29/2025	94	47.78	10	47.78	0
	9/5/2025	101	44.36	10	44.36	0
			<b>46.52</b>		<b>46.52</b>	
<b>Nixon</b>	9/5/2025	101	27.95	10	27.95	0
	9/12/2025	108	33.25	10	33.25	0
	9/19/2025	115	43.14	10	43.14	0
			<b>34.78</b>		<b>34.78</b>	
<b>TCA 485</b>	9/5/2025	101	25.30	10	25.30	0
	9/12/2025	108	27.67	10	27.67	0
	9/19/2025	115	35.16	10	35.16	0
			<b>29.38</b>		<b>29.38</b>	
<b>Braveheart</b>	9/19/2025	115	39.90	10	39.90	0
	9/26/2025	122	39.03	10	39.03	0
	10/3/2025	129	33.02	10	33.07	0
			<b>37.33</b>		<b>37.33</b>	
<b>Bellicose</b>	9/19/2025	115	35.76	10	35.76	0
	9/26/2025	122	43.46	10	43.46	0
	10/3/2025	129	39.73	10	39.73	0
			<b>39.65</b>		<b>39.65</b>	
<b>EX 3738</b>	9/26/2025	122	58.62	10	58.62	0
	10/3/2025	129	37.12	10	37.12	0
	10/10/2025	136	36.17	10	36.17	0
			<b>43.97</b>		<b>43.97</b>	

Table 1 Con't

Variety	Harvest Date	Days After Transplant	Harvested Tons	Marketable Heads/10	Marketable Tons	Cull Tons
<b>3708</b>	10/3/2025	129	35.93	10	35.93	0
	10/10/2025	136	44.78	10	44.78	0
	10/17/2025	143	44.09	10	44.09	0
				<b>41.60</b>		<b>41.60</b>
<b>2361</b>	10/3/2025	129	63.53	10	63.53	0
	10/10/2025	136	58.37	10	58.37	0
	10/17/2025	143	68.86	10	68.86	0
				<b>63.59</b>		<b>63.59</b>
<b>Passat</b>	10/10/2025	136	56.60	10	56.60	0
	10/17/2025	143	48.49	10	48.44	0
	10/23/2025	149	43.84	10	43.84	0
				<b>49.63</b>		<b>49.63</b>
<b>Report</b>	10/23/2025	149	40.74	10	40.74	0
	10/31/2025	157	55.52	10	55.52	0
	11/7/2025	164	54.78	10	54.78	0
				<b>50.35</b>		<b>50.35</b>
<b>Adeleco</b>	10/23/2025	149	62.03	10	62.03	0
	10/31/2025	157	45.06	10	45.06	0
	11/7/2025	164	55.76	10	55.76	0
				<b>54.28</b>		<b>54.28</b>
<b>Eraton</b>	10/31/2025	157	42.94	10	42.94	0
	11/7/2025	164	48.72	10	48.72	0
	11/14/2025	171	30.74	10	30.74	0
				<b>37.47</b>		<b>37.47</b>
<b>Ottawa</b>	10/31/2025	157	63.53	10	63.53	0
	11/7/2025	164	64.93	10	64.93	0
	11/14/2025	171	68.65	10	68.65	0
				<b>65.70</b>		<b>65.70</b>
<b>SGW 0348</b>	11/7/2025	164	31.64	10	34.99	0
	11/14/2025	171	44.53	10	44.53	0
	11/21/2025	178	34.99	10	34.99	0
				<b>37.05</b>		<b>37.05</b>

Table 1 Con't

Variety	Harvest Date	Days After Transplant	Harvested Tons	Marketable Heads/10	Marketable Tons	Cull Tons
<b>TCA 853</b>	11/7/2025	164	35.44	10	35.44	0
	11/14/2025	171	32.45	10	32.54	0
	11/21/2025	178	35.82	10	35.82	0
			<b>34.57</b>		<b>34.57</b>	
<b>Kilacees</b>	11/7/2025	164	31.61	10	31.61	0
	11/14/2025	171	34.50	10	34.50	0
	11/21/2025	178	39.80	10	39.80	0
			<b>35.30</b>		<b>35.30</b>	
<b>Novaton</b>	11/7/2025	164	56.74	10	56.74	0
	11/14/2025	171	59.94	10	59.94	0
	11/21/2025	178	62.45	10	62.45	0
			<b>59.71</b>		<b>59.71</b>	

**Table 2. Summary and Averages of Harvest Data**

<b>Variety</b>	<b>Supplier Listed Days after transplant</b>	<b>Actual Days after Transplant</b>	<b>Harvested Tons</b>	<b>Marketable Tons</b>	<b>Cull tons</b>
<b>Padoc</b>		87	49.41	42.04	7.37
<b>TCA 576</b>		87	46.52	46.52	0
<b>Nixon</b>		101	34.78	34.78	0
<b>TCA 485</b>		101	29.38	29.38	0
<b>Braveheart</b>		115	37.33	37.33	0
<b>Bellicose</b>		115	39.65	39.65	0
<b>EX 3738</b>		122	43.97	43.97	0
<b>3708</b>		129	41.60	41.60	0
<b>2361</b>		129	63.59	63.59	0
<b>Passat</b>		136	49.63	49.63	0
<b>Report</b>		149	50.35	50.35	0
<b>Adelco</b>		149	54.28	54.28	0
<b>Eraton</b>		157	37.47	37.47	0
<b>Ottawa</b>		157	65.70	65.70	0
<b>SGW 0348</b>		164	37.05	37.05	0
<b>TCA 853</b>		164	34.57	34.57	0
<b>Kilacees</b>		164	35.30	35.30	0
<b>Novaton</b>		164	59.71	59.71	0

**Table 3: Head Evaluation**

# Green Leaves	actual average green leaf count on 2 randomly selected heads from each rep
Brix level	actual average refractometer reading from 2 randomly selected heads from each rep
Thrips Severity	measured by Onion Thrips Severity Rating Scale, seen on next page
Thrips leaf depth	actual average leaf depth of thrips on 2 randomly selected heads from each rep

Variety	Harvest Date	Days After Transplant	# Green Leaves	Brix Level	Thrips Severity	Thrips Leaf Depth	
<b>Padoc</b>	8/22/25	87	6	5.0	~	~	
	8/29/2025	94	4	6.5	~	~	
	9/5/2025	101	5	6.0	5	5	Black Rot
<b>TCA 576</b>	8/22/2025	87	5	6.5	~	~	Basal Buds
	8/29/2025	94	5	6.5	~	~	Excessive
	9/5/2025	101	5	6.0	~	~	
<b>Nixon</b>	9/5/2025	101	5	7.0	~	~	
	9/12/2025	108	5	7.5	3	4	
	9/19/2025	115	3	8.0	3	2	
<b>TCA 485</b>	9/5/2025	101	4	8.0	3	4	
	9/12/2025	108	5	8.5	3	5	
	9/19/2025	115	5	9.0	3	3	
<b>Braveheart</b>	9/19/2025	115	5	8.0	~	~	
	9/26/2025	122	5	8.0	~	~	
	10/3/2025	129	6	8.0	~	~	
<b>Bellicose</b>	9/19/2025	115	5	9.0	~	~	
	9/26/2025	122	4	7.5	~	~	
	10/3/2025	129	3	8.0	~	~	
<b>EX 3738</b>	9/26/2025	122	5	6.5	~	~	
	10/3/2025	129	5	8.0	~	~	
	10/10/2025	136	4	8.0	~	~	
<b>3708</b>	10/3/2025	129	5	8.0	3	4	
	10/10/2025	136	5	7.5	~	~	
	10/17/2025	143	5	8.0	~	~	

Table 3 Con't

Variety	Harvest Date	Days After Transplant	# Green Leaves	Brix Level	Thrips Severity	Thrips Leaf Depth	
<b>2361</b>	10/3/2025	129	5	7.5	4	10	
	10/10/2025	136	4	6.5	~	~	
	10/17/2025	143	4	7.0	~	~	
<b>Passat</b>	10/10/2025	136	4	7.5	~	~	
	10/17/2025	143	4	8.0	3	2	
	10/23/2025	149	4	7.5	~	~	
<b>Report</b>	10/23/2025	149	5	7.5	3	3	
	10/31/2025	157	5	8.0	2	5	
	11/7/2025	164	5	8.0	~	~	
<b>Adeleco</b>	10/23/2025	149	5	8.0	~	~	Soft Rot just
	10/31/2025	157	5	7.0	3	8	above core
	11/7/2025	164	5	7.5	2	6	2 Harvests
<b>Eraton</b>	10/31/2025	157	5	7.5	2	4	
	11/7/2025	164	5	8.5	~	~	
	11/14/2025	171	5	7.5	~	~	
<b>Ottawa</b>	10/31/2025	157	5	7.0	~	~	
	11/7/2025	164	4	7.5	~	~	
	11/14/2025	171	5	7.0	~	~	
<b>SGW 0348</b>	11/7/2025	164	5	10.0	3	3	
	11/14/2025	171	5	10.0	2	3	
	11/21/2025	178	4	10.0	3	4	
<b>TCA 853</b>	11/7/2025	164	5	9.5	3	2	
	11/14/2025	171	5	9.5	3	4	
	11/21/2025	178	5	9.0	~	~	
<b>Kilacees</b>	11/7/2025	164	6	8.5	3	5	
	11/14/2025	171	5	9.0	3	2	
	11/21/2025	178	3	9.0	3	3	
<b>Novaton</b>	11/7/2025	164	5	7.5	3	2	
	11/14/2025	171	5	8.0	3	4	
	11/21/2025	178	4	8.0	3	4	

## Onion Thrips Severity Ratings in Cabbage



Thrips Damage Rating: 0.5



Thrips Damage Rating: 1.0



Thrips Damage Rating: 2.0



Thrips Damage Rating: 2.5



Thrips Damage Rating: 4.0



Thrips Damage Rating: 5.0

**Scale of 0-5: 0 = no damage; 1 = minor; 2 = below average; 3 = average;  
4 = above average; 5 = very bad**



