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Height of Shoots, Trial 1, Week 1

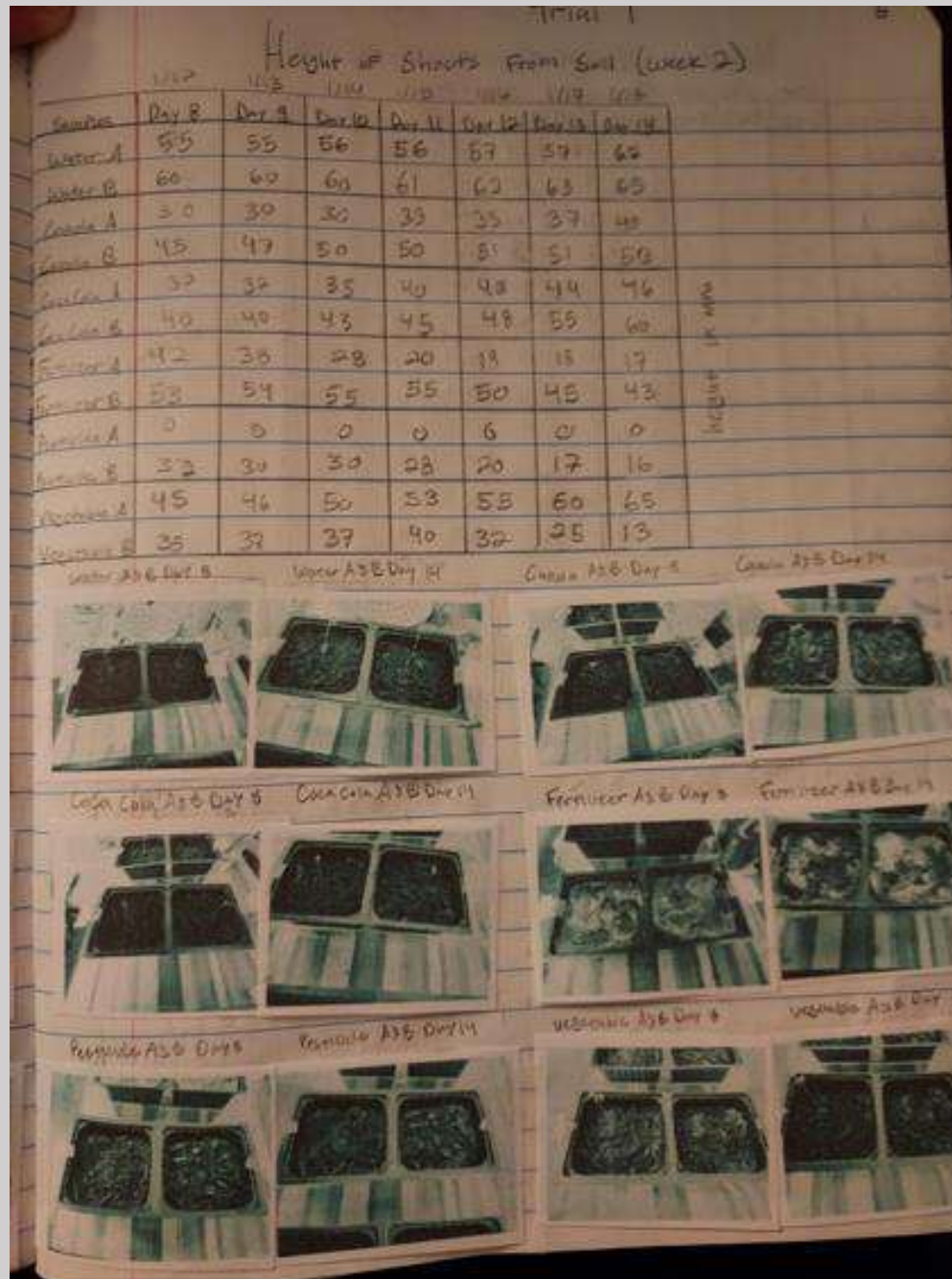
Trial 1 4

Height of Shoots From soil (Week 1)

Samples	1/5	1/6	1/7	1/8	1/9	1/10	1/11	
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	
Water A	0	0	0	13	38	50	50	
Water B	0	0	0	10	30	55	59	
Canola A	0	0	0	3	20	25	30	
Canola B	0	0	0	5	23	30	40	
Fertilizer A	0	0	0	4	15	25	30	height in mm
Fertilizer B	0	0	0	3	20	30	38	
Pesticide A	0	0	0	11	35	40	41	
Pesticide B	0	0	0	10	32	48	52	
Vegetative A	0	0	0	0	0	0	0	
Vegetative B	0	0	0	12	37	37	35	
Water A	0	0	0	4	30	35	43	
Water B	0	0	0	5	25	30	34	

Water A+B Day 1	Water A+B Day 7	Canola A+B Day 1	Canola A+B Day 7
			
Coca Cola A+B Day 1	Coca Cola A+B Day 7	Fertilizer A+B Day 1	Fertilizer A+B Day 7
			
Pesticide A+B Day 1	Pesticide A+B Day 7	Vegetative A+B Day 1	Vegetative A+B Day 7
			

Height of Shoots, Trial 1, Week 2



Height of Shoots, Trial 1, 10 Day Germination Period

5 Trial 1

10 Day Germination Period

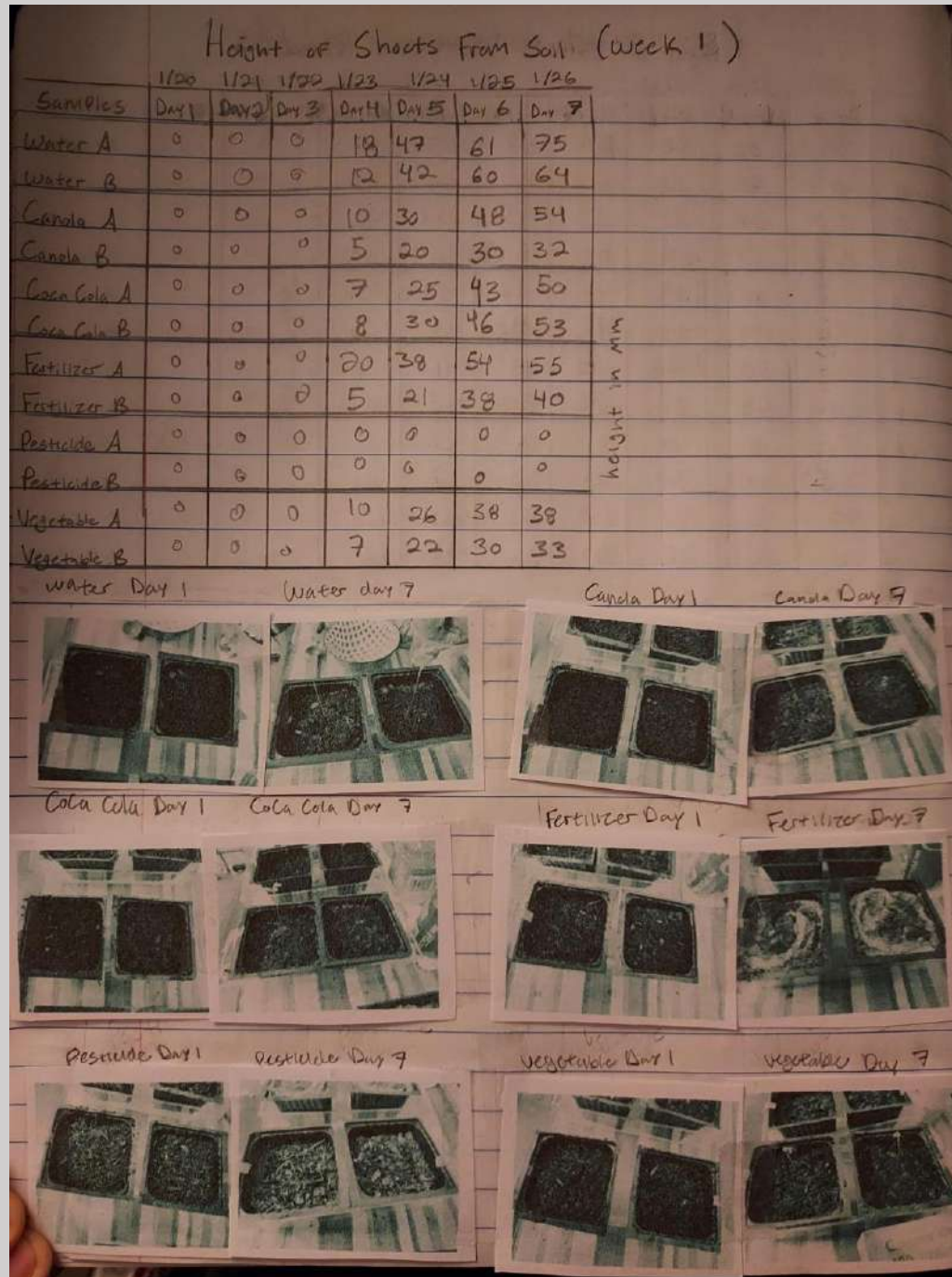
SAMPLES	1/5	1/6	1/7	1/8	1/9	1/10	1/11	1/12	1/13	1/14	
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	
Water A	0	0	0	13	38	50	50	55	55	56	height in mm
Water B	0	0	0	10	30	55	59	60	60	60	
Canada A	0	0	0	3	20	25	30	30	30	30	
Canada B	0	0	0	5	23	30	40	45	47	50	
Coca Cola A	0	0	0	4	15	25	30	32	32	35	
Coca Cola B	0	0	0	3	20	30	38	40	40	43	
Fertilizer A	0	0	0	11	36	40	41	42	38	28	
Fertilizer B	0	0	0	16	32	48	52	53	54	55	
Pesticide A	0	0	0	0	0	0	0	0	0	0	
Pesticide B	0	0	0	10	37	37	35	32	30	30	
vegetable A	0	0	0	4	30	35	43	45	46	50	height in mm
vegetable B	0	0	0	5	25	30	34	35	37	37	height in mm

Water A+B Day 1 Water A+B Day 10 Canada A+B Day 1 Canada A+B Day 10

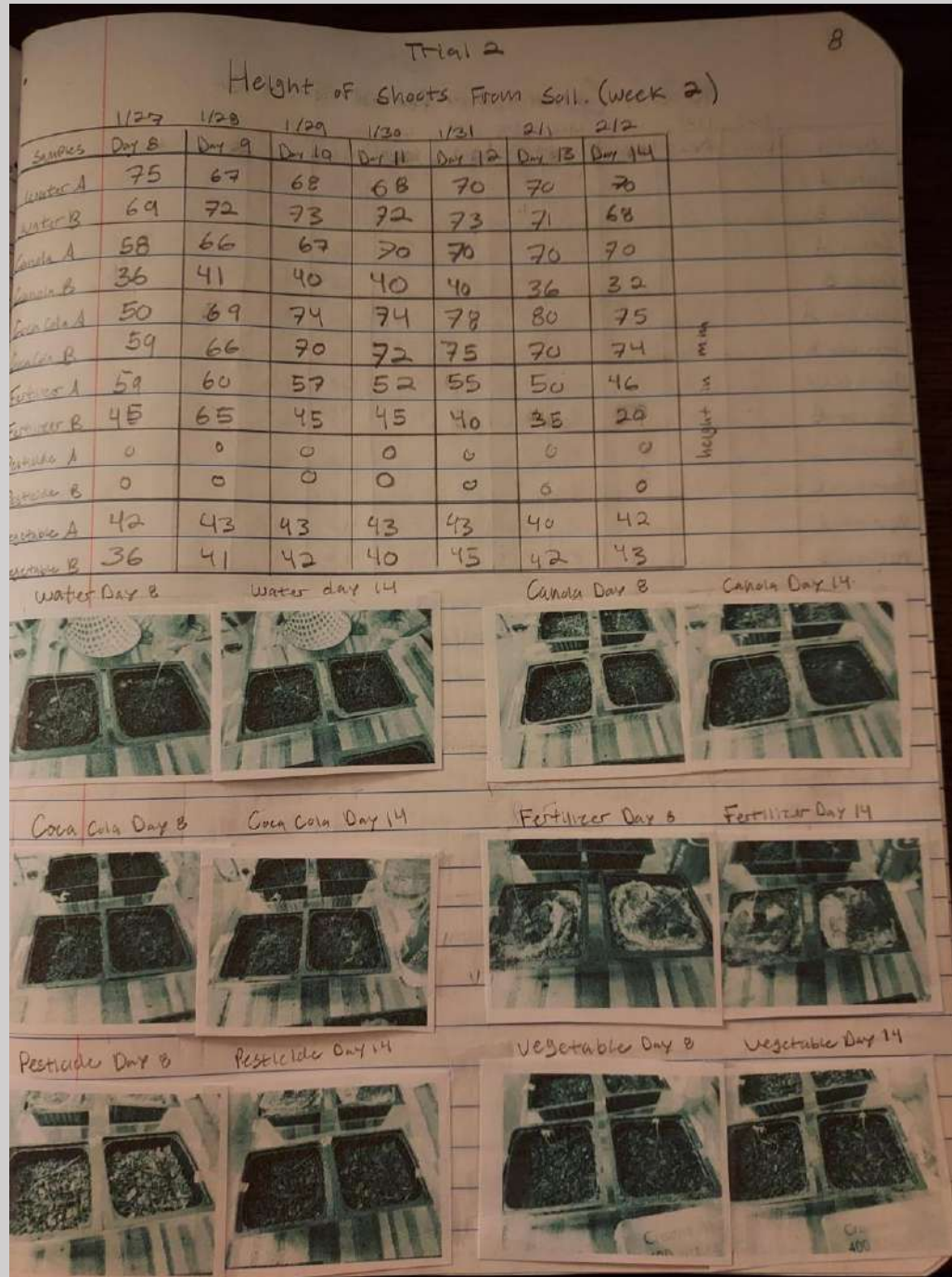
Coca Cola A+B Day 1 Coca Cola A+B Day 10 Fertilizer A+B Day 1 Fertilizer A+B Day 10

Pesticide A+B Day 1 Pesticide A+B Day 10 Vegetable A+B Day 1 Vegetable A+B Day 10

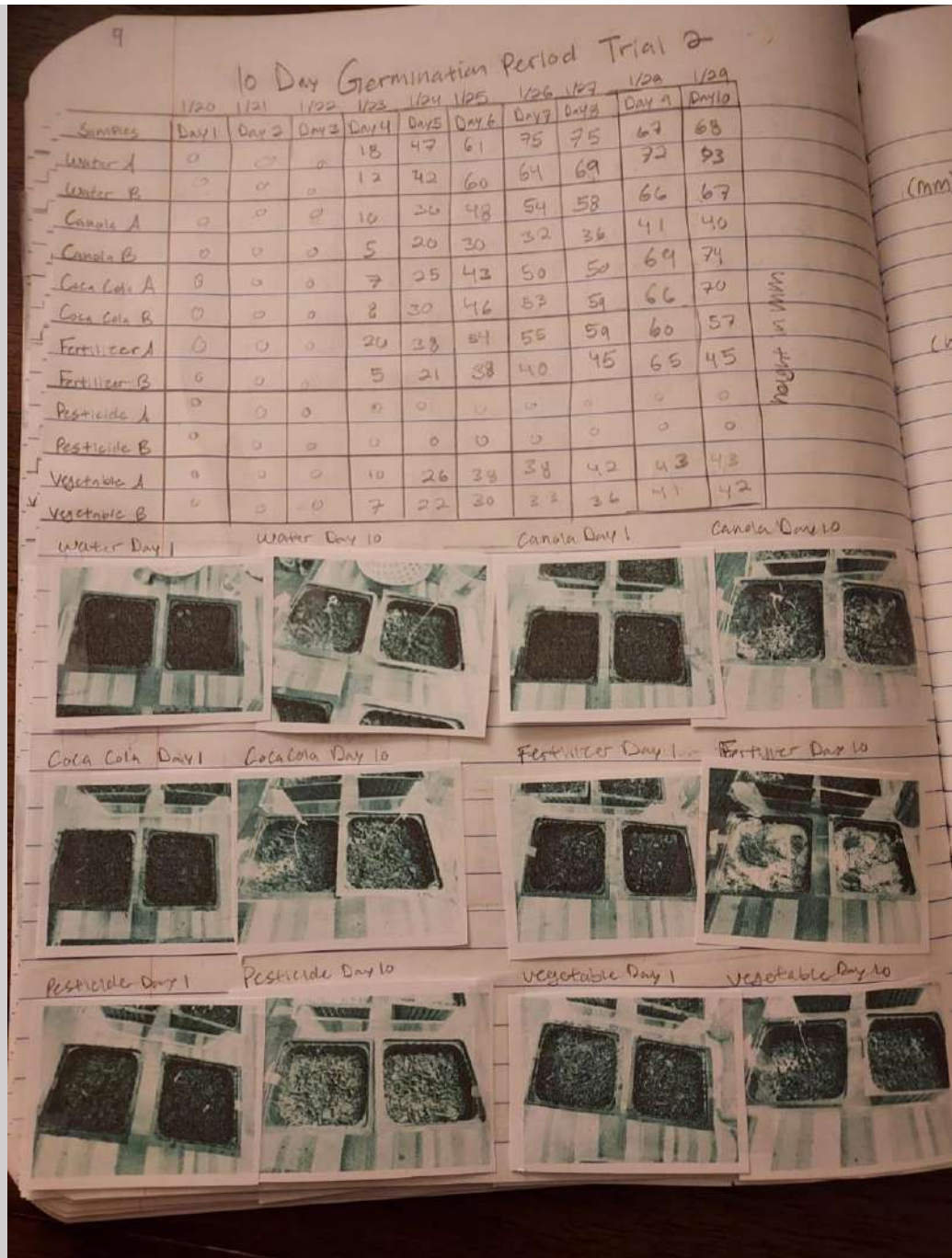
Height of Shoots, Trial 2, Week 1



Height of Shoots, Trial 2, Week 2



Height of Shoots, Trial 2, 10 Day Germination Period



Final Results and Notes Trial 1

Trial 1 notes 10

	WA	WB	CA	CB	CA	CB	FA	FB	PA	PB	VA	VB	Samples
(mm)	65	70	40	55	51	63	20	43	0	20	67	12	height of shoot
	17	18	47	22	80	55	14	41	0	43	54	20	height of root
	82	88	87	77	131	118	34	84	0	63	121	32	total height (total)
	6	6	4	5	6	6	2	3	0	2	6	2	# of leaves
	pear green	pear green	pear green	pear green	pear green	pear green	dull green	darker green	none	dark green	pear green	darker green	leaf color
	white green	white green	white green	light green	white green	white green	red brown	light green	none	light red orange	light green	light green	stem color
(mm)	3	3	2	1 1/2	1 1/2	1	1/2	1/2	none	1/2	1	1/2	thickest leaf

Pesticide A showed no results throughout trial 1

Day 7. Fertilizer A began to bend/wilt significantly at base of shoot

Day 11. Vegetable B fell/wilted near the base of shoot

Day 12. Vegetable B shoot accidentally disconnected from roots during measuring

Soil conditions (Final)

Water Pair: Soil crumbled easily but held in clumps, held in shape upon removal

Canon Pair: Soil oily with oil coating bottom of cells, fell apart easily with thin strings of white mold throughout soil, fell apart upon removal

Coca Cola Pair: Soil retained some moisture with small strings of mold at the lower half of the cells, a thin, crumbly crust at cell's surface easy to pull apart

Fertilizer Pair: Soil crumbled easily with a thin layer of white mold spread under a thicker (~4mm) layer of built-up

Fertilizer alternative (1/2 tsp bone meal 1/2 tsp coffee grounds)

Pesticide Pair: Soil fell apart with little resistance although wet throughout the soil and some gathered at the bottom of the cells. Very little mold throughout but mold built up around the edges of cell A.

Vegetable Pair: Soil oily with oil coating bottom of cells, fell apart easily with thin white mold throughout soil, especially midsection. Soil fell apart easily upon removal although didn't retain shape fully. Similar to Canon Pair

Final Results and Notes Trial 2

Trial 2 notes

1/24/22 Canola B is wilting, Full height = 20mm, wilted height = 10mm
Coca Cola B stem color is slightly duller/darker than Coca Cola A

1/25/22 Canola B has grown, less wilted, wilted height = 23mm

1/30/22 Fertilizer B Fall entirely ~~entirely~~

1/31/22 Fertilizer A is beginning to wilt, Full height = 55mm, wilted = 48mm
Both Coca Cola Samples have a small, thin patch of white mold/fungus on the surface of the soil surrounding plant shoots

2/1/22 Canola B and Fertilizer A have fallen entirely

WA	WB	CA	CB	CCA	CCB	FA	FB	PA	PB	VA	VB	Sample
81	85	82	31	84	84	45	20	0	0	50	54	height of shoot (mm)
63	50	61	47	105	10	19	30	0	0	60	61	height of root (mm)
141	135	143	78	189	94	64	50	0	0	110	115	total height (mm)
6	6	6	3	5	6	5	4	0	0	5	6	# of leaves
light green	light green	darker green	dark green	light green	light green	dull green	dull green	none	none	light green	light green	leaf color
white green	white green	grey green	grey green	pale green	pale green	grey green	light red orange	none	none	pale green	pale green	stem color
2 1/2	2	3	1/3	3 1/2	2	1	1/2	none	none	1 1/2	1 1/2	thickest leaf (mm)

Soil conditions Final

Water Pair: Soil crumbled easily and held its shape with easy removal from cell

Canola Pair: Soil was oily with fungus throughout the soil, fell apart in sticky clumps, held its shape somewhat upon removal from cell.

Coca Cola Pair: Soil was somewhat moist with fungus throughout and on surface, thin crust of soil on surface, easily fell apart and held shape.

Fertilizer Pair: Soil crumbled easily with a thick layer of built up fertilizer alternative and a layer of fungus just beneath the fertilizer layer

Pesticide Pair: Soil fell apart easily, very moist with thin white bubbles throughout and soap collected at the bottom and around the cell.
Little amount of mold in soil.

Vegetable Pair: Soil was oily with light amounts of fungus throughout the soil. Fell apart in sticky clumps, held shape somewhat upon removal from cell. Similar to Canola Pair.

Final Results Trial 1 and 2

