

## Data Results of Kosher Poultry Processing

SARE Grant FNE15-827

Robariah Farms

Batch	Facility	Quantity Goal	Quantity Actual	Quantity Kosher	Date Processed	Breed	# of Paid Crew	# of Volunteer Crew	# Full-Time Equivalents (FTE)	Slaughter, Plucking, and Evisceration Time	Plucking Notes	Soaking, Salting, Rinsing Time	Packaging Time	TOTAL Processing Time (Hours)	TOTAL Process Efficiency in Minutes per Chicken	TOTAL Process Efficiency in Minutes per Chicken w/FTE	Cost per Chicken
Batch 1	Small-scale, local	50	20	18	6-Jul-15	Cornish Cross	5	4	9	EXPERIMENTAL DAY! A lot of new trialing. We timed things but not relevant.	N/A	N/A	N/A	8.00	N/A	N/A	N/A
Batch 2	Small-scale, local	50	61	60	7-Jul-15	Cornish Cross	7	4	11	9:30-1:45 (4.25h) - Averaged 15.25 birds/hr from slaughter to pre-soak	3 min/2 birds on machine; plus 10 min/bird hand pluck	Each pre-soak to chill batch takes 1 hour and 50 min	4:15-5:15 (1h) with 7 people. Took twice normal time according to Peter/Ed because big birds.	9.50	9.34	102.79	\$ 30.87
Batch 3	Small-scale, local	100	84	82	19-Jul-15	Cornish Cross	8	6	11	9-1:30 (4.5h) - Averaged 18 birds/hr from slaughter to pre-soak	2-6 min/bird x2 machines; plus 2-3 min hand plucking	1:30-4:30 (3h break while waiting for last batch)	4:30-5:50 (1.25) - 45 min/82 birds; 30 min more for livers, clean up, etc. (7 person crew)	9.30	6.64	73.07	\$ 23.20
Batch 4	Small-scale, local	100	91	88	20-Jul-15	Cornish Cross	6	6	9	9-2:40 (5.5h) Averaged 16.5 birds/hr from slaughter to pre-soak	2-6 min/bird x2 machines; plus 2-3 min hand plucking	2:40-5:15 (2.5h break while waiting for last batch)	5:15-6:15 (8 person crew)	9.75	6.43	57.86	\$ 20.69
Batch 5	Small-scale, local	150	130	N/A	18-Aug-15	Cornish Cross (50%) Freedom Rangers (50%)	7	7	13	9:45-5:15 (7.5h) Averaged 17.33 birds/hr from slaughter to pre-soak	N/A	N/A	we left on ice overnight and completed packaging with volunteers the next day	12.50	5.77	75.00	\$ 15.29
Batch 6	Small-scale, local	150	149	145	19-Aug-15	Cornish Cross (50%) Freedom Rangers (50%)	8	6	11	9:15-5:24 (8.2h) Averaged 17.68 birds/hr from slaughter to pre-soak	N/A	N/A	N/A	13.00	5.38	59.17	\$ 14.05
Batch 7	Large-scale, Industrial	600	N/A	N/A	1-Oct-15	Cornish Cross	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.00	1.00	N/A	\$ 12.11
Batch 8	Large-scale, Industrial	500	N/A	N/A	1-Jun-16	Freedom Rangers	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.00	1.20	N/A	\$ 10.80
Control	Small-scale, local for typical non-kosher processing	175	175	N/A	N/A	Cornish Cross	2	N/A	2	Average with 25 birds/hour	N/A	N/A	N/A	7	2.40	4.80	\$ 4.76