

Root Vegetable Bunch Washer

Our experience found that farmers' market customers preferred bunched root crops over bulk or bagged roots. Unfortunately the labour for bunching and washing these crops are substantially higher than processing bulk roots. For years we would lay bunched roots out on a spray table, cleaning them with a high pressure spray. The added step of laying out the bunches was a real time waster.

With our bunch washer, roots are hydro-cooled in dunk tanks and quickly sprayed and packed resulting in a 40% decrease in labour versus a spray table. Our farm saved nearly 20 labour hours resulting in a savings of over \$300. As an added benefit roots come out even cleaner as they are sprayed from every angle.

- Works great for all bunched roots. Carrots, beets, turnips, radish, scallion, etc.
- Bunched roots wash faster and get cleaner
- Substantial labour savings per season
- Cleaner roots sell better at market
- Eliminates wasted steps
- Easier on your body
- Easy to build, readily available parts
- Durable, inexpensive and reliable



Labour Savings

	Minutes per Bunch Wash and Pack	Hours per 5000 bunches	Labour Cost @ \$15/hour
Spray Table	0.5	42	\$625.00
Bunch Washer	0.3	25	\$375.00
Savings per 5000 bunches washed			\$250.00



Parts List

*parts available from <http://mkrittenhouse.com/>

Parts	Item #	Cost
Teejet Flat Fan Nozzle - 1.0 gpm Stainless x 1	TP8010-SS	\$10.28
Teejet Nozzle Cap - Brass x 5	CP1325	\$6.25
Teejet Hose Shank Nozzle Body-1/2" Single x 1	9191B-531TD	\$13.93
Teejet Hose Shank Nozzle Body-1/2" Double x 4	9192B-531TD	\$55.72
Clear Braid Hose 1/2" x 3ft	K3150-08	\$2.80
Swivel Connector Brass 1/2" x 1	195H-8	\$5.87
Hose Clamps x 10	MC4SS	\$11.10
5 Gallon Bucket x 1		
Total		\$105.95