

CORRECT SPRAYING.

Thorough spraying cannot be done with a poor pump, and antiquated methods. The necessity for fast work, the importance of having a pump which is simple to operate and to keep clean, point very clearly to the Hardie Spray Pump as the practical ideal for use in a modern, well-kept orchard.

The fruit grower has learned by sad experience that rubber or leather valves are a delusion and a snare; that working parts, which are made of iron and cheap metals, are very annoying, on account of their liability to corrode and to get out of order; that a pump which requires an expert mechanic to adjust it is almost more trouble than the insect life, which it is supposed to exterminate. In short, a modern fruit grower demands a simple practical spray pump, where the working parts are of brass, made on the true mechanical principal in a simple, convenient and practical shape—in other words he wants a "Hardie"

The growth of the Hardie Spray Pump business, due to the extreme reliability of the pump, is growing by leaps and bounds. The demand from Canada alone, is sufficient to warrant the erection of a factory at Windsor, to take care of this territory.

SEED BUYING.

As THIS is about the time when farmers and gardeners begin planning about their crops for the coming season, and laying in their seeds, the following table may be of general service:

RELIABLE TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

	lbs.	bush.
Barley, Broadcast	48	2 to 3 bush.
Beans, dwarf, in drills	60	1½ bush.
Beans, pole, in hills	60	10 to 12 qts.
Beets, table, in drills		6 lbs.
Beets, Mangel-Wurzel		5 lbs.
Buckwheat	48	1 bush.
Cabbage in beds to transplant		¼ lb.
Carrot, in drills		3 to 4 lbs.
Clover, red	60	20 lbs.
Clover, white	60	12 to 15 lbs.
Clover, Alsike	60	10 lbs.
Clover, Lucerne or Alfalfa	60	20 lbs.
Corn, in hills		8 to 10 qts.
Corn, for fodder	56	3 bush.
Cucumber, in hills		2 lbs.
Flax, broadcast	56	1½ bush.
Grass, Kentucky blue	14	3 bush.
Grass, orchard	14	3 bush.
Grass, English rye	24	3 bush.
Grass, red-top	14	3 bush.
Grass, timothy	48	½ bush.
Grass, Hungarian	48	1 bush.
Grass, lawn	15	4 bush.
Melon, musk, in hills		2 to 3 lbs.
Melon, water, in hills		4 to 5 lbs.
Millet	48	1 bush.
Oats, broadcast	34	2 to 3 bush.
Onion, in drills		6 to 8 lbs.
Onion, for sets, in drills		50 lbs.
Onion sets, in drills		6 to 12 bush.

Parsnip, in drills		4 to 6 lbs.
Peas, round, in drills	60	1½ bush.
Peas, wrinkled, in drills	60	1¼ bush.
Peas, broadcast		3 bush.
Potatoes, cut tubers	60	8 bush.
Pumpkins, in hills		3 lbs.
Radish, in drills		8 to 10 lbs.
Rye, broadcast	56	1½ to 2 bush.
Spinach, in drills		15 lbs.
Squash, bush varieties, in hills		4 lbs.
Squash, running varieties, in hills		3 lbs.
Tomato, to transplant		¼ lb.
Turnip, in drills		2 lbs.
Turnip, broadcast		2 lbs.
Vetches, broadcast		2 to 3 bush.
Wheat, broadcast	60	1¼ to 2 bush.

QUANTITY OF SEED REQUIRED FOR SPECIFIED LENGTH OF DRILL.

Asparagus	1 oz.	for 60 ft. of drill.
Beet	1 oz.	for 50 ft. of drill.
Beans, dwarf	1 qt.	for 100 ft. of drill.
Beans, pole	1 qt.	for 150 hills.
Carrot	1 oz.	for 150 ft. of drill.
Cucumber	1 oz.	for 50 hills.
Corn	1 qt.	for 200 hills.
Leek	1 oz.	for 100 ft. of drill.
Melon, water	1 oz.	for 30 hills.
Melon, Mask	1 oz.	for 50 hills.
Onion	1 oz.	for 100 ft. of drill.
Onion sets, small	1 qt.	for 40 ft. of drill.
Parsley	1 oz.	for 125 ft. of drill.
Parsnip	1 oz.	for 150 ft. of drill.
Peas	1 qt.	for 100 ft. of drill.
Pumpkin	1 oz.	for 40 hills.
Radish	1 oz.	for 75 ft. of drill.
Salsify	1 oz.	for 70 ft. of drill.
Spinach	1 oz.	for 75 ft. of drill.
Squash, early	1 oz.	for 50 hills.
Squash, marrow	1 oz.	for 20 hills.
Turnip	1 oz.	for 150 ft. of drill.
Cabbage	1 oz.	for 2000 plants.
Cauliflower	1 oz.	for 2000 plants.
Celery	1 oz.	for 3000 plants.
Lettuce	1 oz.	for 3000 plants.
Pepper	1 oz.	for 1000 plants.
Tomato	1 oz.	for 1500 plants.

VITALITY OF SEEDS.

	Years.		Years.
Artichoke	5 to 6	Parsley	2 to 3
Asparagus	2 to 3	Parsnips	2 to 3
Beans, all kinds	2 to 3	Pea	5 to 6
Beet	2 to 3	Pumpkin	8 to 10
Broccoli	5 to 6	Rhubarb	3 to 4
Carrot	3 to 4	Squash	8 to 10
Cress	3 to 4	Lettuce	3 to 4
Corn kept on the cob	2 to 3	Melon	8 to 10
Cucumber	8 to 10	Mustard	3 to 4
Egg plant	1 to 2	Okra	3 to 4
Endive	5 to 6	Spinach	3 to 4
Leek	2 to 3	Tomato	2 to 3
Cauliflower	5 to 6	Turnip	5 to 6
Celery	2 to 3	Pepper	2 to 3
Chervil	2 to 3	Radish	4 to 5
Corn salad	2 to 3	Salsify	2 to 3
Onion	2 to 3	Lavender	2 to 3