Aseful Tables.

Usual Distance for Trees and Plants.

Standard Apple Trees	20	feet	apart eath	wav.
Dwarf Apples	G	**	44	
Standard Pears and Cherries	20	44	**	16
Dwarf Pears, Dwarf Cherries & Oninces	10	**	•	**
Apricots, Peaches, Nectarines & Plums	20	**	+4	44
Currants, Gooseberries & Raspberries	-4	**	16	44
Blackberries & Black Cap Raspberries 6 t	οĀ	46	44	**
Grapo Vines	12		••	•

Strawberries, in rows 23 feet apart, plants one foot apart in the row.

Number of Plants and Trees Per Acre.

Feet apart.	No. of Plants.	Feet apart.	No. of Plants.
1 hv 1			
1 by 1	20,000		
11 11 11 11 11 11 11 11 11 11 11 11 11	19,860	18 " 18	136
2 " 2"		20 " 20	
21 " 21	0,969	20 " 25	
8 " 3	4,840	21 " 21	
4 " 4		22 " 22	90
5 4 5		24 " 24	75
6 " 6		25 " 25	70
	680	25 ** 30	. 59
9 " 9	537	27 " 27	
10 " 10	438	28 " 28	65
10 4 15	304	30 " 30	48
12 " 12		30 " 35	
15 " 15	194	35 " 35	35

How to Weigh without Scales.

The following tables will very materially aid those housekeepers who do not have scale, at hand, to measure any article wanted. Allowance should bo made for extraordinary dryness or excessive moisture of the articles needed.

wheat nour	1 lb. is	1 opart.
Indian meal	1 h 2 oz aro	1 /1114
Butter, when soft	1 15 14	l quait.
Loof guerr broken	1 10 10	i quart.
Loaf sugar, broken	1 10	ı quart.
white sugar, powdered	1 lb. 1 oz. are	7 /11101
Eggs	10 errs are	1.5
Ergs Flour Flour	S cutarta are	1 modie
Flour	f combo se	I Peck.
	· Pecks are	. L bus.
LIOUI	DS, ETC.	
Sixteen large tablespontule are		
Pictori large the est longing are	**************	} pint.
Eight large tablespo safuls are		i gill.
Four large table-poinfuls are		l gill
Eight large tablespoonfuls are Four large tablespoonfuls are Two gills are		Line
Two pints are		3 1766
Four quarts are	•••• • • • • • • • • • • • • • • • • • •	
Four quarts are		1 gal.
A common sized tumb'er holds		. pint.
Tr continon sized wine-gizes is		I cill
A tea-cup is		ıî gili.
A tablespoonful is		020.
A tablespoonful is forty drops equal	••	3 02.
ived arolis editti	· · · · · · · · · · · · · · teasp	oonful. j
Four teaspoinfuls equal	····· I tables	oontul.

Usual Quantity of Seeds Per Acre.

	Pouru	ls.
Beets & Mangel Wurzel	· · · · · · · 4 to	
Beets & Mangel Wurzel Cabbage Carrot. Cucumber, in hills	1 to	ĭı
Carrot	2 to	∿
Cucumber, in hills	1 to	5
Clover, red, broadcast alone	15 to 9	ŏ
Cucumber, in hills Clover, red, broadcast alone Clover, sown on grain in spring, mix	(ed with I bush 1	٠ ا
Timothy and 1 bushel Red Top Clover, white, broadcast alone Clover, white, in drills.	le disher	١.
Clover, white, browleast alone	10 to 1	
Clover, white, in drills.		
Lucerne, broadcast	····· ··· · · · · · · · · · · · · · ·	ť
Lucerne, braidcast Onion, in drills		
Paranip, in drills	4 to	íI
Radish, in drills	5 to 8	íl
Paranip, in drills Radish, in drills Radish, brookeast Salaife in drills	12 to 16	il
Salsify, in drills	Rto 6	i I
Spinach .	8 to 10	1
Turnip and Ruta Baga, broadcast	1	ı
Turnip and Ruta Baga, in drills	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•
Radish, producest Salsify, in drills. Spinach Turnip and Ruta Baga, broadcast Turnip and Ruta Baga, in drills. Beans, pole, in hills, 3½ x 4 Corn, in hills	Quarta	· i
Beans, pole, in hills, 31 x 4	8 to 19	. 1
Corn, in hills Broom Corn, in hills Millet, for seed Mustayd broadcast	8 to 12	: 1
Broom Corn, in hills	10 to 12	
Millet, for seed.		1
Mustard, broadcast		1
Sorghum, or Chinese Sugar Cane	A	- 1
	zm x	- 1
	Bushels.	1
Beans, bushels, in drills, 23 feet spart	Bushels.	
Mustard, broadcast Sorghum, or Chinese Sugar Cane Beans, bushels, in drills, 2½ feet spart Corn for fedder		1
Beans, bushels, in drills, 2] feet spart Corn for fadder Earley, broadcast	Bushels. 3 to 4 2 to 3	1
Beans, bushels, in drills, 2½ feet spart Corn for fødder Barley, broadcast Barley, in drills	2 to 3 Bushels	4
Beans, bushels, in drills, 23 feet apart Corn for fedder Barley, broadcast Barley, in drills Buckwheat		
Beans, bushels, in drills, 2} feet apart Corn for fedder Barley, broadcast Barley, in drills Buckwheat Hungarian Grass	### 2 to 3 ### Bushels 1	
Beans, bushels, in drills, 2½ feet apart Corn for fedder Barley, broadcast Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass	2 to 3 to 4 2 to 3	
Beans, bushels, in drills, 2} feet apart Corn for fedder Barley, broadcast Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass	### 2 to 3 ### 2 to 3 ### 2 to 3 ### 1 to 1 ### 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet Produces	2 to 3 1 to 1 2 to 3 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet Produces	2 to 3 1 to 1 2 to 3 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet Produces	2 to 3 1 to 1 2 to 3 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kontucky Blue Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, carly, is drills	2 to 3 12 to 2 13 to 2 13 to 2 2 to 3 2 to 3	
Barley, broadcast Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Millet, broadcast Orchard Grass Peas, early, in drills Peas, Marrowiat	2 to 3 11 to 1 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Oats Orchard Grass Orchard Grass Peas, early, in drills Peas, Marrowfat Peas, in drills	2 to 3 11 to 1 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, early, in drills Peas, Marrowlat Potatocs, in drills or hills, cut tubers Potatocs, cut in single executions	2 to 3 11 to 1 2 to 3 11 to 1 2 to 3 2 to 3 11 to 1 11 to 1	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, early, in drills Peas, Marrowlat Potatocs, in drills or hills, cut tubers Potatocs, cut in single executions	2 to 3 11 to 1 2 to 3 11 to 1 2 to 3 2 to 3 11 to 1 11 to 1	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, early, in drills Peas, Marrowlat Potatocs, in drills or hills, cut tubers Potatocs, cut in single executions	2 to 3 11 to 1 2 to 3 11 to 1 2 to 3 2 to 3 11 to 1 11 to 1	
Barley, broadcast Barley, in drills Buckwheat Bungarian Grass Hungarian Grass Lawn Grass Lawn Grass Millet, broadcast Orchard Grass Peas, early, in drills Peas, Marrowfat Potatocs, in drills or hills, cut tubers Rye, Broadcast Red Top. Rye Grass	2 to 3 11 to 2 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kontucky Blue Grass Lawn Grass Millet, broadcast Orchard Grass Orchard Grass Peas, early, is drills Peas, Marrowfat Peas, marrowfat Potatocs, in drills or hills, cut tubers Potatocs, cut in single eyes Rye, Broadcast Rye Grass Rye Grass Sainfoln	2 to 3 3 to 5	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Bungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, early, in drills Peas, Marrowfat Potatocs, in drills or hills, cut tubers Potatocs, cut in single eyes Rye, Broadcast Red Top. Rye Grass Sainfoin.	2 to 3 11 to 1 2 to 3 12 to 2 2 to 3 12 to 2 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Bungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, early, in drills Peas, Marrowfat Potatocs, in drills or hills, cut tubers Potatocs, cut in single eyes Rye, Broadcast Red Top. Rye Grass Sainfoin.	2 to 3 11 to 1 2 to 3 12 to 2 2 to 3 12 to 2 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Bungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet, broadcast Octs Orchard Grass Peas, early, in drills Peas, Marrowfat Potatocs, in drills or hills, cut tubers Potatocs, cut in single eyes Rye, Broadcast Red Top. Rye Grass Sainfoin.	2 to 3 11 to 1 2 to 3 12 to 2 2 to 3 12 to 2 2 to 3	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kentucky Blue Grass Lawn Grass Lawn Grass Millet, broadcast. Oats. Oats. Peas, early, in drills Peas, Marrowfat Potatocs, in drills or hills, cut tubers Potatocs, out in single eyes Rye, Broadcast Red Top. Rye Grass Sainfoin. Timothy Vetches Wheat, broadcast Wheat, broadcast Wheat, broadcast Wheat, broadcast Wheat, broadcast Wheat, drills	2 to 3 3 to 5	
Barley, broadcast Barley, in drills Barley, in drills Buckwheat Hungarian Grass Kontucky Blue Grass Lawn Grass Millet, broadcast Orchard Grass Orchard Grass Peas, early, is drills Peas, Marrowfat Peas, marrowfat Potatocs, in drills or hills, cut tubers Potatocs, cut in single eyes Rye, Broadcast Rye Grass Rye Grass Sainfoln	2 to 3 11 to 1 2 to 3 3 to 5 12 to 2 3 to 5 2 to 3 3 to 5 2 to 3 2 to 3 3 to 5 3 to 5 3 to 5 3 to 5 4 to 2 4 to 3 5 to 5 5 to 3 5 to 5	

Canadian Standard Weights Per Bushel.

Wheat to 1b	Turmp Seed 50 11.
Peas 60 '	' Red Top Grass 8 "
Beans 60 *	' Hungarian Grass 48 "
Indian Corn shelled . 56 '	' Millet 48 "
COM MI CHE IM COLOR COLOR COLOR	' Tares or Vetches 60 "
Ryc 66 '	Rape Seed 50 "
Birley 48 "	Blue Grass Seed 14 "
Buckwhest 48	' i Petatoes, Turnius 60 "
Oats 34 "	Carrots, Parenlps 60 "
Clover Seed . 1 69 "	Beets and Onlons 60 "
	Castor Beans 40 "
Timothy Seed 48 "	Dried Apples 24 "
Hemp Seed 44 "	

A bashel contains 2150.4-10 cubic inches. Any boy containing this equivalent may be used as a measure, thus—

A box 24in by 16in square, and 2sin deep, will contain a correl.

A box Bir. by 15\fm. square, and 8in. deep, will contain a bushel.

A box 12m, by 11½in, square, and 9in, deep, will contain half a bushel.

A box Sin. by Sin. square, and Sin. deep, will contain a peck. A box 8in. by 6in. square, and 41in. deep, will contain one gallon.

A box 7m. by 8in. equare, and 41in. deep, will contain half a gallon.

A box 4in. by 4in. square, and 4lin. deep, will contain a pint.

Seed for Given Quantity of Ground.

ARTICHORE; one ounce of seed will produce 600 plants. ASPARAGUS, one ounce will produce 1,000 plants.

BEASS,—English Ducarf; one quart of seed will be required for every sixty feet of row. Ducarf Kidney; one quart will plant 250 feet of row. Pole, or Running; one quart of Lima, or Large Running Beans, will plant 300 hills or 250 feet of row.

BRET; an ounce is required to plant 50 feet of drill. BORECOLE, OR KALE; one ounce of seed will produce 4,000 plants.

BROCCOLI; one ounce will produce 4,000 plants. CABBAGE; an ounce is sufficient for 4,000 plants. CAULIFLOWER; an ounce of seed will produce 4,000 plants. CARROT; one ounce will sow 300 feet of drill. CELERY, an ounce of this seed will produce 10,000 plants. CORN SALAD; an ounce of seed will sow 15 feet of drill. CUCCMEER; an ounce of seed is sufficient for 200 hills. Egg Plant; an ounce of seed will produce 4,000 plants. LEEK: one ounce of seed may be allowed for 3.000 plants. LETTUCE; an ounce of seed will produce about 10,000 plants. MELON; one ounce of seed will plant from 125 to 150 hills. MELON (WATER); one ounce of seed will plant from 40 to 50 hills ONION; one cance of seed will be sufficient for one perch or pole. PARSLEY; two cances of seed are required for three perches. PARSNIP; two ounces of seed are sufficient for three perches. PEPPER; one ounce of seed will produce 3,000 plants.
PEAS, one quart will plant from 150 to 200 feet of row. POTATOES, ten to fifteen bushels are required for an acre. Punpsin; one quart of Field Pumpsin, 500 hills; and one ounce of the finest kinds will plant from 50 to 80 hills.

Radish; two ounces will sow three perches in drills; if sown broodcast, four ounces will be required.

Sinacn: if cultivated in drills, four ounces will plant five perches of Lind, if broadcast, it will require double the quantity. Squast; an ounce of seed will plant from 50 to 100 hills, according to sorts and size.

Toxato, one ounce of seed will produce 4,000 plants.

				: !					
	Barometer, average of 31 years.	Temperature, 25 to ogazora years.	Clouded Sky, average of 19 years.	Rain, average of 31-32 years.	Days of Rain, average of 32 years,	Amount of Snow, average of 29 years.	Days of Snow, average of 32 years.	Total Rain none bas	Days of Rain and Snow.
January		8 8	673	in. 1-228	₹ :50	in. 17:49	13-97	iu. 2:977	18:56
March	98	18 18 18 18 18 18	28	1.618	9.50	19:91	225	2.852	16.50
May		11.13	8	5.53	8	8	88	2.678	155 153
June		36	3 th	2978	85	0.01	86.0	3-61 9-61 9-61 9-61 9-61	515 515
August	_	818 23	99	3.548	10.68		; ·	3.248	3
September.		3.5	3	3716	80.1		:	3.021	10.21
November.	5445	8:3: 3:3:	Ģ.	086	12:50	0.87	.8	2.476	38
December		8 2 8	.75	1.654	5.72	17.28	35.55 35.55 35.55	8 9 9 8 9 8	16-91 19-31
Year 28	20-6164	44-15	19.0	29-416 100-87	100.87	77-69	62.82	62-82 36-393 172-10	172-19

Meteorological Table.

Advertisements.

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Fruit and Ornamental Trees. Shrubs, Evergreens, and Climbing Plants. Roses, Currants, Strawberries, Grape Vines, Raspberries, Gooseberries, Blackberries, and Herbaceous Plants.

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I was the first to introduce to the public the Hubbard Squash, American Tarban Squash, Marbichead Mammoth Cabbage, Mexican Sweet Corn, Phinney's Water-inclon, and many other

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As stated in my Catalogue, all my seed is sold under three warrants,—lat: That all money sent shall reach me. 2d: That all seed ordered shall reach the purchaser. 3d: That my seeds shall be fresh and true to name.

JAMES J. H. GREGORY,

v 10-1-4t

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