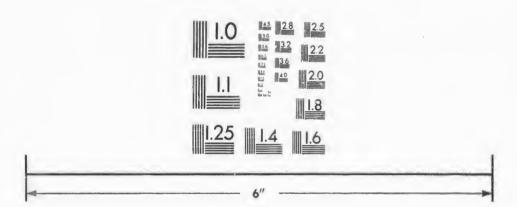


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# TRANSPLANTING DIRECTIONS

# Stone & Wellington, Nurserymen,

NURSERIES, FONTHILL, WELLAND COUNTY, ONTARIO

Head Offices, Toronto, Ont. Branches, Montreal, P.Q., Hartford, Conn., Madison, Wis., and Victoria, B.C.

**LEAD!** 

READ!

READI

READI

N PRESENTING these instructions to our patrons, we would earnestly request that they give the most earnest The broken or mutilated portions of the the that they give the most earnest attention to the details. They have been compiled with a view to make them as simple as possible, and having fulfilled our part of the contract, by delivering first-class stock in good condition, also giving all necessary instructions bear to earse for it if any of our customers.

The broken or mutilated portions of the roots must be cut off, so as to leave the ends smooth and sound, and the ends of all the other roots should be pruned. From these ends the new fibrous roots usually start. how to care for it, if any of our customers

care for it for the first three months, would FILLING LIGHT AND LOOSE. willingly insure the growth of every tree and shrub we send out. We seldom ever

which you are to plant your trees is not in trees. can make it so by thoroughly underdraining, deep ploughing and sub-soiling. The stem should now be put in condition for the formation of the top, by removing You may enrich it in the usual manner, all the limbs to the pcint where it is deby turning under clover, applying barn-sired to have the top; then cut back each through these that the tree is fed.

# PREPARING THE TREES FOR

PLANTING.

how to care for it, if any of our customers should lose a portion of their stock, the fault cannot be on our side. We allude to these, because years of experience have larger because they neglect it; and we have stock because they neglect it; and we have taken the precaution to send a copy of our Transplanting Directions to every customer, so that none may claim that they do not know how to plant and care for their stock.

Anything that has to be cultivated in the earth can no more live without nourishment and care for their stock.

The hole must be large enough to receive the roots freely without cramping or bendther from their natural position; the targer the better. Let the tree be the same depth it stood in the nursery (the old mark can be readily discerned), and not deeper, except in cases of dwarf trees. These latter should be set so that the point of union should come two or three inches below the surface of the ground. The tree better. Let the tree be the same depth it stood in the nursery (the old mark can be readily discerned), and not deeper, except in cases of dwarf trees. These latter should be set so that the point of union should come two or three inches below the surface of the ground. The tree better. Let the tree be the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely without cramping or bend-ting them of the roots freely witho an can a human being!

filling every space and bringing every

We guarantee to deliver the stock in root in contact with it. Set the tree as GOOD CONDITION, and could we plant and FIRM AS A POST BUT LEAVE THE SURFACE

MULCHING.

This is done by placing a layer of coarse lose a plant, even when we import them manura from three to six inches deep, exfrom Europe, and grow them here during tending one or two feet further in each dithe summer for fall delivery, and the rection than the roots. This protects the PREPARATION OF THE SOIL.

For fruit trees the condition of the soil the requisite moisture and obviates all ocmust be such as would be adapted to grow casion for a practice generally of injurious successfully farm crops. If the land on effect—the watering of newly-planted

yard manure, or where it can be obtained, remaining limb, leaving from four to six vegetable mould or muck without stint, buds of last season's growth. In the ab-The last is well adapted for producing a sence of any limbs suitable to form a top, large amount of fibrous roots and it is cut the tree down to the requisite height, leaving the dormant buds to make the top.

Don't allow the Roots to be exposed to sun and air.

of the previous year's growth being removed. Gare should also be used to give what according to the kind of tree; we the proper form to the tree. The head prefer, however, low training for all trees, may be left high or low, as the taste of the for dwarf trees very especially. The planter may prefer, or as the nature of the pruning should be done each year, so that

spring, but before the sap starts.

STAKING.

tions, they should be supported by stakes sible up to the height it is intended the If the trees are tall or in exposed situations, they should be supported by stakes store up to the height it is intended the to prevent injury from the action of the future head should be, that the cutting off wind. Staking is done in the best manner of large limbs may not in future be necesby driving two strong stakes firmly into slave. This should be avoided when posthe ground, one on each side of the tree, sible, as decay is liable to commence at about a foot distant from it, and fasten point of separation, and extended into the trees between them with bands of trunk. When such removal is absolutely straw, or other soft material, so that it necessary, the wound should be carefully

dition, having been carefully handled and kept from exposure by us. If you do not upon the tree kept promptly removed. Follow our directions, and meet with loss, This regularly attended to, will obviate the fault will be entirely with you. the fault will be entirely with you.

PERPETUAL CLEMATIS.

The top of these plants die down every Those who are obliged to plant trees who are obliged to plant trees winter, and therefore needs no protection in fields of grass or grain, should see that Plant in RICH soil, spreading the roots all such are carefully mulched with coarse Well apart, being very careful not to break them; dig a large hole so as to affine them planty of room. They need is greatly preferable in such plantations plenty of fool during summer to enable for the first five years. After this time, them to support and supply a continued standard apple, pear, cherry, and plum abundance of bloom. These plants will trees will grow and produce fairly in turf. not produce the best results the first sea-

Many cultivators, after taking great

trouble and expense in the selecting and planting of their trees, fail of success by upon their trees, as is often the case, parneglecting that after-care and attention ticularly with regard to trees tardy in which is equally essential. Caterpillars and coming into bearing, may expedite the

The business of pruring vigorously at canker worms, grubs and borers, slugs time of setting is generally an ungrateful and aphis, disease and blight, must be one to the planter, as it injures for a time watched for, fought against, and remedies the appearance of the tree to an unpracfaithfully applied. The wants of the ticed eye. It should, however be unhesi-growing tree must be carefully foreseen, tatingly performed, all the branches to and a faithful effort made to insure health

Tree in some cases may require.

No stock planted in the fall should elimbs. Care must always be used to keep pruned till the hard frost has left in the the head of the tree open and well-balanced cutting the limbs which may be superfluous.

Trees should be trimmed as early as posstraw, or other soft material, so that it necessary, the wound should be carefully may be kept in an upright position, with-pared smooth, and a covering of out chafing, till the roots obtain a firm hold upon the soil. hold upon the soil.

PEACH TREES.

They should be planted immediately on their delivery, or if not prepared to do so the roots should be buried in the ground—they will not stand exposure to sun and air, and many are lost simply for want of care. As soon as planted cut back all side branches to within two or three inches of the main stem. Make this the invariable practice, and never deviate from it if you wish to save your trees. The growth will be much more rapid and vigorous in consequence of this pruning, and by strictly adhering to it, or by immediate planting, or covering the roots in the soil, very few, if any trees will be lost. Peaches all other stock we deliver, will be in fine condition, having been carefully handled and kept from exposure by us. If you do not follow our directions and meet with less than a large from the action of the weather Dwarf trees, particularly of the pear and apple, while young, require more pruning than any other kind of tree, in order to bring the top to a suitable form. For the first two or three years after planting, fully one-half the growth of the previous year should be removed, by heading in or reducing the length of each limb. The top limbs require to be cut back more, the lower limbs less, thus producing a more equal distribution of sap, and consequent vigor to the lower limbs with the upper. After the tree has passed, say to the third or fourth year after planting, the requirement of pruning is only to keep it in the symmetrical shape, and prevent particular limbs from taking a disproportionate growth. Limbs so inclined must be headed back sufficiently, and all surfluous wood upon the tree kept, promothy removed. the occurrence of any necessity for ampu-

son after transplanting.

well mulched every year with coarse manure, and the ground thoroughly cultivated.

SUMMER PINCHING

Those who are impatient to see fruit

fulälm the pro month young the flo of frui

To p incorp compo three i and on

Requir deeply warm the roo not me and s Soapsi fertiliz and tr roots. PRU

ing to the fol FIRS bearin buds o the w which year. SECO wood

ment. THI dril, a fruitfu two or as cer Fou is to t.

straig

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adult

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slugs ist be nedies of the eseen. health

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ed the iug off necesn posice at to the lutely efully ng of tect it Dwarf apple, bring e first fully s year or re-

equent upper. e third equirein the ticular ionate e heads wood  $\mathbf{noved}$ . bviate ampu-

he top

e, the

more

t trees e that coarse t loose d crop tations plum n turf. ould be e manivated.

e fruit e, parrdy in ite the

young shoots; this retards for the time by checking the growth of wood, it will

### **CRAPE VINES**

deeply worked, and well enriched with a from setting. If too much sets, thin it in warm sunny exposure. In planting give season, that the juices of the vines may the roots plenty of room; spread them out not be wasted on what must be removed. not more than six inches under the surface and settle the soil firmly around them. Soapsuds, sink water and urine are good fertilizers. Nothing better than leaves and trimmings of vines buried around the

PRUNING.—The novice, before attempting to prune a vine, should bear in mind the following facts and principles:

FIRST. That, as a general rule, the fruitbearing canes of this year are grown from buds on last year's canes; in other words, the wood of this year contains the buds which produce the fruitful canes of next

The above represents a grape vine pruned and grown in the manner that will give the best results.

BERRIES

dril, and that the ordinary capacity of a each year, and new canes pinched off

growth, and the strongest growth from a pruned cane will generally be found near-Need heavy mulching and pruning, so

FIFTH. That it is an easy matter to over-that new wood will have room to grow. tax a young vine by endeavoring to make it produce and ripen more fruit than it is Should be planted in a deep, rich, wellcapable of doing. A young vine cannot drained soil, so that the top roofs are not yield the crop that an older, matured vine less than two inches below the surface can without injury, any more than a and should be severely pruned every young boy or girl can do the work of an spring before the buds start, cutting back

tender vines, leave more wood than is After planting, the earth should be dug needed, as some may be killed, and finish up around them so as to form a small pruning in spring as soon as the leaves channel all around the bush; pour into

fulfilment of their wishes by employing laterals and branches on which there is no the process of summer pinching. In the fruit; then there will be much foliage to month of July pinch off the ends of the absorb matter and prepare nutriment, and young should, this retailed to the first the flow of sap, and hastens the formation be appropriated to perfect the fruit. Do of fruit buds.

ASPARACUS.

The leaves, not the fruit should be exposed to the sun-To prepare a bed, dig the ground deep, incorporating large quantities of well decomposed manure. Plant the roots about the two great errors are in neglecting to the time inches deep in rows 18 inches apart, and in depriving the plant of necessary and in depriving the plant of necessary. foliage by close pruning in summer. To obviate over-bearing, reduce the vines by Require a dry, mellow, well drained soil, close pruning so as to prevent much fruit



SECOND. That the fruit buds differ from Should have a strong soil and be kept unwood buds only because of better develop-der constant cultivation. Mulching is of ment. Raspberries and Blackber-THIRD. That a cluster is a fruitful ten-ries should have the old wood cut out fruitful bud is to develop, on an average, when 3 feet high. Strawberries should be two or three of these fruitful tendrils, or mulched late in the fall, uncover crowns as commonly expressed, clusters of fruit early in the spring, remove mulch after FOURTH. That the tendency of the sap fruiting, and spade in light dressing of is to the extremity of the vine; that the manure. If set for fruit, keep the runners straighter the cane the more rapid the off.

adult; and it is as unreasonable to expect the last growth to three or four buds, exit in one case as in the other. Vines, when set, should be cut back to allowed to partly cover the space desired. within three or four buds of the root. In Old decayed branches should never remain. November, or early in the spring, before Every autumn composhould be placed the sap starts, in open culture, they should around the stem of the plants, and spaded

are nearly developed, when the life of the this some liquid manure mixing the earth vine may be seen. In summer allow a that has to be replaced in with it. A small good growth beyond the fruit, and about quartity of liquid manure given to the midsunmer pinch off the ends of the bushes in the manner described twice a branches to check them and cut feeble month, will encourage growth and blossom Remedies for Insect Enemies of the Rose.

fectual remedy.

with Tobacco water.

MILDEW.-Apply submar or soot in the them.

### DISTANCES FOR PLANTING.

Standard Apples	way
Duke and Morello Cherries 18 " "	4.6
Plums, Apricots, Peaches16 to 18	44
Dwarf Pears 10 to 12	
Dwarf Apples 10 to 12	44
Grapes rows to to 16 fect apart 7 to 16 ft in ro	W9.
Currants and Gooseberries 3 to 4 ft. aj art.	
Raspberries and Blackberries 3 to 4 by 5 to 7	apart
Strawberries, for field culture to 11/2 by 3 ()	3/2
Strawberries, for garden culture to 2 ft. apart.	

## NUMBER OF TREES ON AN ACRE.

30 f	t. apart	each v	vay	50	IO	ft, apart	each	way	435
25	- 4	6.6		70	8	0	- 11		680
20	44	6.6		rio	6	16	1.6		1210
18	41	4		135	- 5	6.6	7.0		1745
15	6.6	ıi.		205	1	6.6	4.		3725
12	66	0.6		300	3	4.6	44		4840

is to place the trees 35 or 40 feet apart each way, then in the apple rows, half way between, plant a standard pear. Then cross-ded. These washes are also good for desways, half way between the apple, plant troying other forms of insect life. A wash a peach or dwarf growing tree. Opposite made with half an ounce of common sulthe pear trees either a cherry, quince, plant ded with half an ounce of common sulthum, pear, or peach tree may be planted. The trees will then be either 17½ or 20 feet effectual, as are also many other lime or apart. If small fruits are also to be grown potash or potash or sulphur solutions.

Resuscitating Trees and Plants.—If trees can be planted in each tree row, and three or four rows of strawberries in each space. If trees or plants have become very dry or shriv-to raspberries, another to blackberries and either bury them entirely in damp soil for other to strawberries and earther to strawberries and earth apple will require most of the ground, the where where they will be exposed to peach trees and dwarf trees, and also the neither cold nor heat, but allowed to thaw small fruit, will be through bearing, while out gradually. the pear and cherry trees, being of upright STONE & WELLINGTON, Nurserymen, TORONTO. growth, will seldom interfere.

Another plan is to have a row planted P.S.-SALESMEN WANTED, To good and small fruits or vegetables in the spaces permanent employment.

between. In this way double crops may Rose SLUG-White Hellebore powder, be obtained, giving an annual income of mixed in water and sprinkled on the from \$200 to \$600 until the apple trees come bushes, one ounce to the gallon of water, into bearing; while the peaches, raspber-This remedy also destroys the current ries and blackberries will be benefited by the protection afforded by the apple trees. Rose Buc.—Hand picking is the only ef-In places exposed to severe winds, it is sometimes advisable to plant a row of rapid-growing evergreens (pine or spruce, APHIS, OR GREEN FLY.-Sprinkle bushes &c.), on the north and west sides having the trees from 5 to 15 feet apart.

In small gardens in the suburbs of towns form of a dry powder, having first wet-or cities, quite a number of trees may be ted the bushes so that it will adhere to planted by setting out a row a few feet from the fence having the row run all For planting grapes, berries, our ar scround the plot. By planting from 8 to 12 and gooseberries, use directions given for feet apart they will do well, and can afterwards be thinned out if necessary. When in small gardens, a vacant space is wanted for vegetables, then only dwarfgrowing trees, or peaches, pluns, pears, &c., should be planted on the south side. Berry bushes may be set out lext to the

fences, and in the tree rows.

Destroying the Bark Louse.—This is a small, scale-like, whitish, eval shaped insect about an eigth of an inch long, that is sometimes found on young fruit trees. A wash made by boiling tobacco stems in water, and mixing with soft soap, will easily destroy them. A solution of soft soap, or potash, or wood ashes is also effective.

Destroying the Woolly Aphis.—This is a RULE.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows and the product will be the number of square feet for in the branches, appearing like mildew. each plant or hill; which, divided into the number of It is sometimes called the "American feet in an acre (45,560), will give the number of plants blight," but is much more easily controlled the "the acre land blight." A wash of whale than the regular blight. A wash of whale-An excellent plan for laying out orchards is to place the trees 35 or 40 feet apart each way, then in the apple rows, half way be-

other to strawberries, and another to cur-two or three days, or place them in water rants and gooseberries; or the last two for from 12 to 24 hours. If received in a fruits, being longer lived, might be placed frozen state, no injury will be experiencin the apple rows. By the time that the ed if placed unopened in a cellar, or else-

Branch Office, Montreal, JAS. W. BEALL, Manager.

with peaches, pears or plums, or dwarf reliable and successful salesmen, we can trees, half way between each apple row, give good salaries and commission, and

