Selectin / Gardenin / Equipment

Garden catalogues and stores are full of gardening tools - some are very useful, others are nice but not necessary, and some are gimmicks. The gardening equipment you need depends on the size of your garden, your age and strength, and whether you want to get the job done in a hurry or prefer to take your time. The minimum equipment needed by most gardeners includes a shovel or spade, a hoe, a rake, and a trowel.

Hand tools for cultivating

A round-nosed **shovel** with a curved blade is lighter and smaller than most other shovels and is well suited for use in the jarden. Shovels are earth movers with dish-shaped blades mounted to the handle at an angle. **Spades** have at blades and are designed for cutting rather than lifting or moving soil. Spades are excellent for shaping straight-sided trenches and

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A hoe is essential in any Jarden for preparin the seed bed, removin f weeds, and breakin f up encrusted soil. Several styles are available. The most commonly used is the square-bladed hoe or draw hoe. It is the best one for sculptin f the soil into hills or furrows. A pointed hoe with a heart-shaped blade is useful for openin, seed furrows and cultivating between plants.



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The hula hoe, also called action or stirrup hoe, is a type of scule e hoe. It is very maneuverable and comes in dif erent sizes. The smaller heads allow weedin / in ti tht spaces. Pushin f and pullin f it just under the soil surface eliminates newly emer, in weeds and breaks up any crust on the soil surface. This type of hoe is most easily used on soil that is not compacted, since the blade is relatively thin and lacks the clod-breakinfcapabilities of a heavier hope it is also less ef ective in cases where weeds have Jotten a Jood start.



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A sturdy **rake** is useful in clearin the Jarden of rocks and debris, It is also helpful in spreadin f mulches and smoothin *f* seedbeds. Determinin *f* which size of rake is right for you depends on your size and strength and the uses you intend to put it to. As the number of tines increases, the rake wei tht also increases, so avoid choosin f a rake so heavy it will tire you after a short period of use. The len fth of the rake handle is important too the tip of the handle should come up to your ear when standin j upri jht. A handle that is too short will cause excess bendin J and back strain. A level head Jarden rake has a at head and is superior for smoothin a seedbed. A bow rake holds the workin \int head farther from the handle, makin \int it easier to rake more deeply.



A trowel will be in constant use for those many di ffin f jobs that do not need full-sized tools. The trowel is perfect for transplantin / seedlin /s and bulbs or di ffin f shallow-rooted weeds. Small hand cultivators, often sold in sets with trowels, are Jood for weedin *f* in small areas and between closely spaced plants. Another useful, small, di *Jj*in *J* tool is appropriately named a digger (a.k.a. weeder). It is useful for di *ff* in *f* up weeds with lon *f* taproots, such as dandelions or Queen Anne's lace, or for pryin jout Johnson frass rhizomes. It consists of a lon f(2) to

cm (10 to 1_{γ}), solid-metal rod with a two-pron fed blade at one end and a handle at the other. This tool is practically indestructible and well worth the small investment of its price for people with stron f hands and arms or loose, friable soil.

A pickaxe or mattock may be useful for certain sites. Pickaxes are used to break up extremely hard-packed or stony soil. Mattocks are used for the same purpose, but are equipped with a cuttin J blade for areas where lar jer roots need to be removed. A mattock may also be used to chop up debris for compostin for to create a quick draina *f*e trench.

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Power tools for cultivating

The power rotary tiller is probably the power tool most commonly purchased by Jardeners. The tiller's en Jine powers rotatin, blades, or tines, which can make Jarden soil loose and uf y, ready for plantin J. It can also chop up plant debris and mix it into the soil. Incorporatin, or Janic matter and manures into the Jarden is also easily accomplished with a tiller, reducin, the tendency to procrastinate this necessary chore.

The ability of the tiller to do these jobs ef ectively is a function of its weight, strength, design, and type of tines, as well as the type of soil. A heavy, powerful rear-tine tiller is most ef ective on stony, clay soils, while in a small garden or one with light soil a fronttine tiller may be more appropriate. Very lightweight tillers, known as soil blenders, are designed mainly for raised-bed gardening.

Rotary tillers are available with front-mounted or rearmounted tines. Rear-tined tillers are generally better

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2 Sheep Hill Lane, Rm 2 7 Haley Institute | A fricultural Campus | Truro, NS Tel 402. 4 .7777 dal.ca/extended-learnin / extended.learnin / dal.ca plu s. Look for excessive dirt around the en jine or in the air lter. This may also mean bad maintenance habits. Ask the owner for an operator's manual, and ask where the machine has been serviced in the past.

Other power tools

There are a few other power tools that can be used in the ve_etable_arden. Cordless tools come with various cultivatin attachments. Most are rechar_eable and can make arden chores more pleasurable. These tools are especially useful to those with limited physical stren_th.

A Jarden shredder is nice to have for a lar je Jarden with a lot of plant wastes. There are hand-operated shredders that are slow but useful if wastes become available in small quantities and are not too coarse. Gasoline shredders are quite expensive and may be disappointing to the Jardener who wants to chip branches and other lar je materials. They are best used for shredding leaves, small branches, and other plant wastes (although sum ower stalks would probably be too much for one.) A chipper, on the other hand, will chip lar je branches and other coarse material, but the cost of \$1000 or more makes the chipper uneconomical for many Jardeners.

Carts and wheelbarrows

A wheelbarrow or cart is very handy to have for Jarden work. It should be easy to handle when full, with Jood maneuverability. Durable construction is well worth payin J for as it ensures a lon J, useful life. Be sure to choose the size appropriate for your physical abilities and Jarden needs. A wheelbarrow Jenerally requires more stren Jth and control than do most Jarden carts, but models with two rear wheels are an excellent compromise between a barrow and a cart. If you plan to haul only light straw, leaves, sawdust, and such materials, then one of the small carts may be suitable. For heavier jobs, you may need a wheelbarrow. Some of the newer Jarden carts,

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2 Sheep Hill Lane, Rm 2 7 Haley Institute | A fricultural Campus | Truro, NS Tel v02. v dal.ca/extended-learnin / extended.learnin / dal.ca should be of steel, which will stay sharp, keep its shape, and outlast softer metals. Consumers' ma Jazines and Jardenin J publications frequently have articles explainin J what to look for in tools. Local hardware stores and Jarden centers carry a wide range of tools. Shop around and handle the tool to Jet a feel for it you may prefer one brand over another.

Keepin J a tool clean and sharp increases its usefulness and len thens its life. Learn the techniques of sharpenin J each tool, and practice them frequently. Professional Jardeners often carry sharpenin stones or les while workin J and sharpen after every hour or so of use. Clean your tools after each use. One ef ective method is to keep a 2 L (Jallon) bucket lled with sand and used motor oil in the tool shed. At the end of the Jardenin day, remove clin Jin J dirt from tools by plun Jin J them into the oily sand several times. This will keep the tools cleaned and oiled and will help prevent rustin J.

The last and perhaps most important step in tool care is to put tools away in their proper places. If each tool has its own place in a stora e area, it is simple to determine if tools are missin before closin up for the day. Before winter sets in, sharpen tools, then coat metal parts lightly with oil and rub wooden handles with linseed oil. Drain power tools of Jasoline, and obtain lters, mullers, and tune-up parts so a fall or latewinter tune-up can get the machine ready for early spring jobs. Have maintenance done, if needed, in the winter, when demand is lowest and you can af ord to let the repairer take his or her time. Some dealers will take your gas powered equipment in the autumn, store it for the winter and return it in spring serviced and ready to go!

Thou intfully selected and cared for, your tools will jive many years of service. The extra ef ort will pay for itself in time.

NOTE: Waterin j equipment is discussed in the factsheet on Irrijatin j the ve jetable jarden' on this website.

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