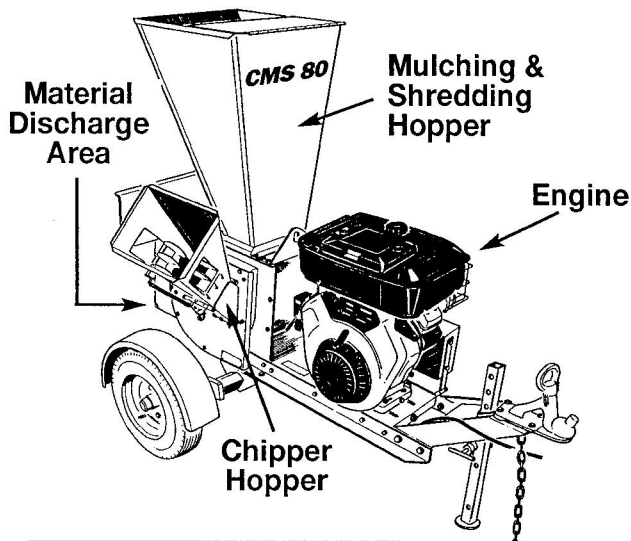


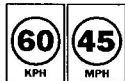
## "STAY ALERT – DON'T GET HURT"



## OPERATING INSTRUCTIONS

### TRANSPORT


- 1) **DO NOT** exceed 60kms per hour (45mph) when towing this product.




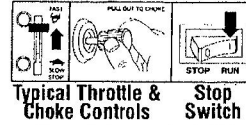
### BEFORE USE

- 1) **WARNING:** Before starting engine, inspect the chipper and mulcher shredder hoppers and remove any foreign debris or branches. Perform a thorough visual inspection of the chipper mulcher shredder and the chipper disc drive system.

### OPERATION


- 1) Familiarize yourself with the chipper mulcher shredder and its controls.
- 2) Wear safety glasses, or helmet and visor combination, loose fitting gloves, and hearing protection. 
- 3) No foreign objects such as stones, steel, cans, glass, wire, rope or nails should be fed into the machine, as damage will occur.

- 4)  Open fuel shut-off valve, if engine is equipped. Move choke control to CHOKE or START position. Note: Choke must fully close. Move throttle control to RUN or FAST position. If engine is equipped with rocker style stop switch, push RUN or I (I = Ignition) before starting. Rewind Starter: Grasp rope handle and pull slowly until resistance is felt to prevent kickback. Then pull cord rapidly to overcome compression and start engine. Repeat if necessary with choke off and throttle control in FAST position. Operate engine in FAST position.



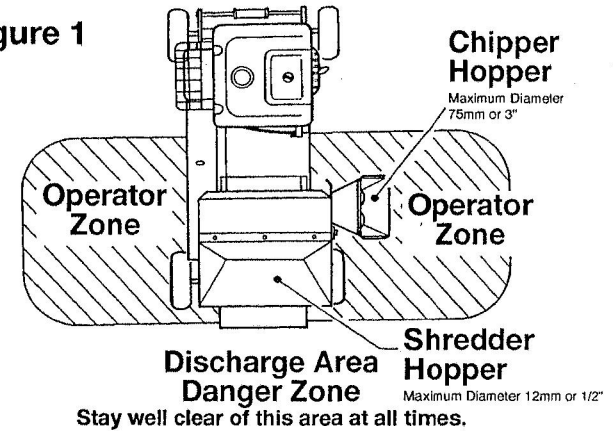
- 5) **MULCHER/SHREDDER HOPPER** (See Figure 1) As the engine ignition begins, the engine shaft operates freely until approximately 1400-1600 rpm at which speed the centrifugal clutch engages and begins driving the rotor. Proper rotor rpm is 2900 rpm with a plus or minus tolerance of 100 rpm. In this condition you have four rows of hammers literally cutting or beating material until it reaches such fractional size as, to allow it to pass through the grinding screen. The grinding screen retains the material within the grinding chamber for several seconds until the free-swinging hammers have rotated several times. The number of cuts by the hammers and, of course, retention time within the chamber varies with each organic material.

- 6) **CHIPPER HOPPER** (See Figure 1) Branches are fed into the side hopper for chipping. One at a time if they are thicker than 50mm, several together if of small diameter. The throat opening is approximately 80 mm square, side shoots or side branches may have to be trimmed from the main stalk before the chipping process occurs. Short stubs of branches may be pushed through the chipper section with the next branch. Never assume to know the location of the blades and try to push short branches in by hand. **BE SAFE, KEEP YOUR HANDS AWAY FROM THE CHIPPING BLADE.**

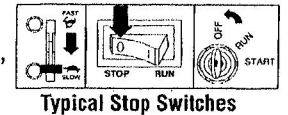
- 7)  **CAUTION: IF MULCHER/SHREDDER CHUTE CLOGGS WITH MATERIAL, STOP THE ENGINE IMMEDIATELY TO PREVENT CLUTCH DAMAGE.**

- 8) Do not allow an accumulation of processed material to build up under the discharge of the shredder as this can prevent following shredded material to discharge and will result in clogging. Operate the machine at maximum rpm's.



Figure 1



- 9)  **NEVER ALLOW YOUR HANDS OR ANY PART OF YOUR BODY OR CLOTHING INSIDE THE FEED HOPPER OR DISCHARGE AREA OF THE MULCHER/SHREDDER.**
- 10) Always stand clear of the discharge area when the shredder is running. (See Figure 1)
- 11) Keep your face and body back from the feed hopper to avoid being struck by any material that may bounce back. Do not over-reach, keep proper balance and footing.
- 12) **Stop Engine:** Do not move choke control to CHOKE position to stop engine. Backfire or engine damage may occur. Move throttle control to SLOW position, then push rocker switch to 0 (STOP).



### AFTER USE

- 1)  Turn fuel tap to "OFF" position.
- 2)  Allow machine to cool down.
- 3) Clean with warm soapy water. Ensure no water enters the carburettor.