

## WARNING THATCHER/OVER SEEDER

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced, or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

**⚠️ WARNING:** Operating, servicing, and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize your exposure, avoid breathing exhaust, do not idle the engine except as necessary, operate and service your equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

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With all rotary cutting devices, there is a chance of objects *being shot out at high speeds. These objects could cause serious injury or death to the operator or bystanders.* Thoroughly inspect the area where the equipment is to be used. Clear it of objects such as rocks, toys, wire, bones, sticks, etcetera. **Always** wear safety goggles and other protective clothing. Keep children, animals, and others at least 30 feet away at all times.

**Use extreme caution** whenever operating, moving, loading, or unloading this equipment. During & after operation the Muffler & other components are Extremely Hot & will cause Serious Burns.

**DO NOT TAPE DOWN OR OTHERWISE BY-PASS ANY SAFETY DEVICES! ALWAYS OPERATE THIS EQUIPMENT FROM THE DESIGNATED OPERATORS POSITION.**

**Never** operate power equipment of any kind if you are tired or if you are under the influence of alcohol, drugs, medication, or any substance that could affect your ability or judgment. Be alert! If you get tired while operating this equipment, take a break. Tiredness may result in loss of control.

**Use extreme caution:** The blades are very sharp! Always keep your hands and feet clear of the blades and other rotating parts.

**Provide adequate ventilation** when operating this equipment. Internal combustion engines consume oxygen and give off deadly carbon monoxide gas.

### **IMPORTANT SAFETY RULES TO FOLLOW**

1. Wear Safety Glasses, Hearing, Dust Protection, and proper Footwear.
2. Do not use on any surface other than grass lawns.
3. Do not operate on slopes exceeding 20%.
4. Do not place hands or feet near moving or rotating parts.
5. Do not run engine in an unventilated space.
6. Do not remove guards when operating.
7. Inspect lawn to be power raked and remove rocks, wire, string, and other objects that might present a hazard before starting.
8. Do not refuel while engine is hot or running.
9. Identify and mark all in ground objects to be avoided, such as sprinkler heads, stakes, water valves, clothesline anchors, etc.

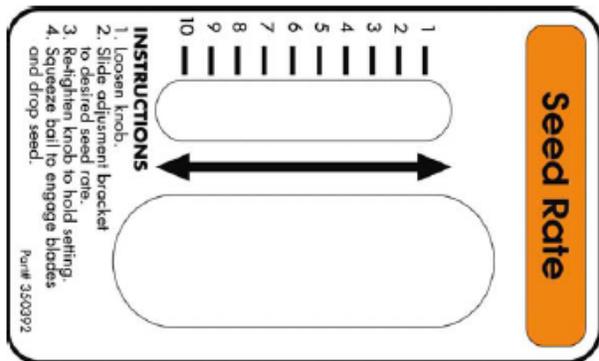
## Overseeding Operation

1. Mow the lawn to shorter than the normal cut height (approximately 2" tall)
2. Be sure grass is dry. Wet conditions can cause increased damage to healthy grass.
3. Spread grass seed according to the seed suppliers' directions (e.g. 10 lbs. per 1000 square feet)
4. With engine off, set the raking depth so that the blades reach ¼" – ½" below a flat surface (i.e. driveway, or sidewalk)
5. With the engine running, pull back on the bail on the operators handle. NOTE: When engaging the clutch in heavy load conditions (i.e. heavy thatch, or very uneven turf) push down on the operators handle lifting the front wheels slightly. Engage the clutch. Slowly lower the unit into the turf.
6. Run the machine over the area that has been seeded to incorporate the seed into the soil. If excessive damage occurs to healthy grass, adjust the blade depth to decrease damage. Continue raking the yard, working in one direction (i.e. north-south, or east-west) NOTE: If a large drop in engine RPM occurs, or the unit pulls you forward & bounces during operation the blade depth is set too low.
7. After the seed has been worked into the soil, water & fertilize according to the seed suppliers' directions.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. If there is any doubt as to the operation or safety of the equipment,

**DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!! FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**

### ADJUSTING SEED RATE



### LAWN PREPARATION

- MOW LAWN TO LOWEST SETTING ON YOUR MOWER.
- DO NOT WATER PRIOR TO SEEDING.
- POWER RAKE TO DETHATCH LAWN AND REMOVE THATCH.
- FERTILIZE LAWN WITH BROADCAST SPREADER.

### LAWN PREPARATION

- FOR BEST RESULTS OVERSEED IN TWO PASSES OF ONE-HALF APPLICATION RATE EACH, AT RIGHT ANGLES OR IN A CRISS-CROSS PATTERN.
- WATER HEAVILY IMMEDIATELY THEN LIGHTLY FOR 10 - 14 DAYS, KEEPING SOIL MOIST.
- AFTER GERMINATION, WATER LESS OFTEN TO PROMOTE ROOT GROWTH.

## SEED APPLICATION CHART:

THE SETTINGS SHOWN ARE APPROXIMATE GUIDELINES. SEEDING RATES ARE SPEED DEPENDENT. FASTER TRAVEL DELIVERS LESS SEED, SLOWER TRAVEL DELIVERS MORE SEED.

SEED TYPE	RATE LBS 1,000 FT <sup>2</sup>	STOP SETTING	SEED TYPE	RATE LBS 1,000 FT <sup>2</sup>	STOP SETTING
RYE GRASS	1/2	2	BENT GRASS	2/3	2
	3/4	3		1 1/3	3
	1 1/2	4	BERMUDAGRASS (HULLED & ZOYSIA)	3/4	2
	2 1/3	5		1 2/3	3
BLUE GRASS	3/4	4	CENTPEDE GRASS (COATED)	2/3	2
	1	5		1 1/4	3
	1 1/2	6		2 1/2	4
	2 1/2	7	ST. AUGUSTINE GRASS	3/4	4
FESCUE	3/4	6		1	5
	1 1/4	7		1 1/3	6
	2	8		1 1/2	7
	3 1/2	9			