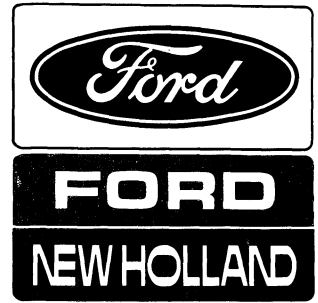


# FORD

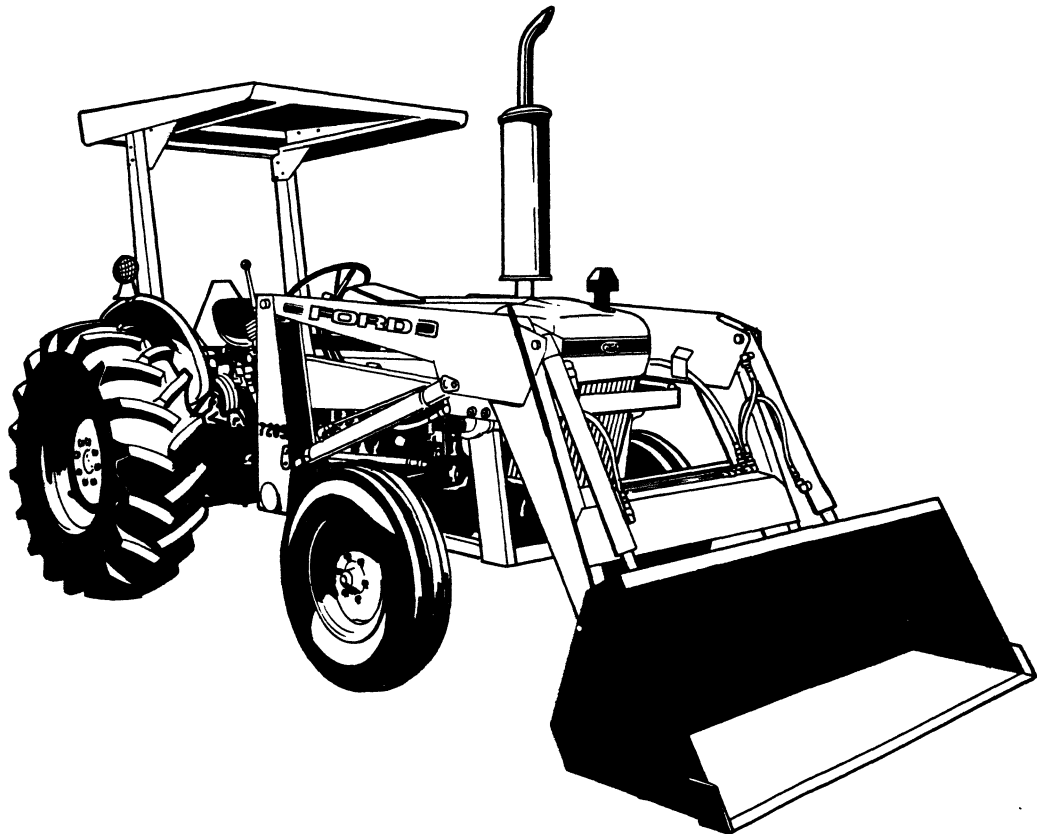


## Operator's Manual

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### Series 7209 Quick Attach Farm Loader

42720911



Reprinted

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## OWNER ASSISTANCE

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We at Ford New Holland and your Ford New Holland Dealer want you to be completely satisfied with your investment. Normally any problems with your equipment will be handled by your Dealer's Service Department. Sometimes, however, a misunderstanding can occur. If your problem has not been handled to your satisfaction, we suggest following.

1. Contact your dealership owner or General Manager, explain your problem and request assistance. When additional assistance is needed, your dealer has direct access to our branch offices.
2. If you cannot obtain satisfaction by doing this, contact Ford New Holland branch office in your area and provide them with:

- √ Your name, address, and telephone number.
- √ Your equipment Model and Serial numbers.
- √ Your dealership name and address.
- √ Purchase date and amount of use on your equipment.
- √ Nature of problem you are experiencing.

### FORD NEW HOLLAND BRANCH OFFICES

**Atlanta, Georgia**  
2000 Mountain Industrial Blvd.  
Tucker, GA 30084  
Phone: (404) 723-3615

**New Holland, Pennsylvania**  
500 Diller Avenue  
New Holland, PA 17557  
Phone: (717) 355-3951

**Calgary, Alberta**  
Box 1616, Main P.O.  
Calgary, AB  
CANADA T2P 2M7  
Phone: (403) 569-3208

**Dallas, Texas**  
P.O. Box 10227  
Dallas, TX 75207  
Phone: (214) 939-4919

**Minneapolis, Minnesota**  
P.O. Box 1342  
Minneapolis, MN 55440  
Phone: (612) 887-4201

IF YOU NEED FURTHER ASSISTANCE, CONTACT:

**Consumer Services Department**  
**Ford New Holland, Inc.**  
**Mail Station 500**  
**New Holland, PA 17557**

When contacting Ford New Holland's branch office or Consumer Services Department, be aware that your problem will likely be resolved in your dealership, using your dealer's facilities, equipment, and personnel, so it is important that your initial contact be with your dealer.

A Service Publications Catalog & Order Form is available which lists the operator's and service manuals for many prior model and most current model Ford - New Holland - Versatile tractors, equipment, and consumer products. To obtain a copy of this catalog, please call 1-800-635-4913

## INTRODUCTION

This manual provides operation, maintenance, assembly and parts identification for your new loader.

Your Ford 7209 Loader with Quick Attach Feature is designed for use on Ford 2810, 2910, 3230, 3430, 3910, 3930, 4000AP, 4100AP, 4600AP, 4610SU, 4610 Narrow Orchard ( minimum 62" front tread setting), 4610AP-3-Cylinder (Minimum 56" front tread setting), 4630AP, 4830 and 5030 2WD tractors less cab with horizontal or vertical exhaust.

Successful operation and long life of the loader depends, of course, on proper operation and the care given it. Please read this manual carefully and follow the instructions. Correct operation and maintenance will save much time and expense



This **SAFETY ALERT SYMBOL** identifies **IMPORTANT SAFETY MESSAGES** in this manual. **OBSERVE** and **FOLLOW** all **SAFETY MESSAGES** to prevent personal **INJURY**.

The reference to left hand and right hand used in this manual refers to the position when standing at the rear of the unit facing forward.

If, at any time, you have a service problem with your loader, or need new parts, contact your local Ford New Holland Dealer.

Your dealer will need the loader model number and serial number to give you prompt efficient service.

Fill in the loader serial number and date purchased below. The serial number plate is located on the inside of the left boom arm.

<b>FORD NEW HOLLAND INC.</b>	
<b>NEW HOLLAND, PENNSYLVANIA</b>	
	MODEL NO. <b>7209</b>
	SERIAL NO. _____
	COMPONENT _____
9606982	
<b>MADE IN U.S.A.</b>	

**DATE PURCHASED** \_\_\_\_\_



**Series 7209 Loader Mounted on a Ford Tractor**

# SAFETY PRECAUTIONS

The following precautions are suggested to help prevent accidents.

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. Read and take the following precautions before operating the tractor and this loader to help prevent accidents. Equipment should be operated only by those who are responsible and instructed to do so.

## GENERAL

1. Read the Operator's Manual carefully before using the tractor or loader. Lack of operating knowledge can lead to accidents.
2. Replace damaged or illegible safety decals. See page 29 for required decals.
3. Operate tractor and loader only from the operator's seat.

## THE TRACTOR

1. Use an approved roll bar and seat belt for safe operation. Overturning a tractor without a rollbar can result in death or injury. If your tractor is not equipped with a rollbar and seat belt, see your Tractor Dealer.
2. Equip your tractor with FOPS (Falling Object Protective Structure) before installing or operating the loader.
3. Always use the seat belt when the rollbar is installed. Do not use the seat belt if the rollbar is removed from the tractor.
4. Add recommended wheel ballast and/or rear weight as recommended in owner's manual to provide good stability.
5. Move the wheels to the tractor manufacturer's widest recommended settings to increase stability.
6. Move and turn the tractor at low speeds.

## THE LOADER

1. Improper use of a loader can cause serious injury or death.
2. Do not lift or carry anybody on the loader or in the bucket or attachment.
3. Never allow anyone to get under the loader bucket or reach through the lift arms when the bucket is raised.
4. Do not walk or work under a raised loader or bucket or attachment unless it is securely blocked or held in position.
5. Avoid overhead wires and obstacles when loader is raised. Contacting electric lines can cause electrocution.
6. Make sure all parked loaders are on a hard, level surface. Engage all safety devices.

## OPERATING THE LOADER

1. It is the loader owner's responsibility to be certain anyone operating the loader has read this manual first to be aware of the safe way of operating the loader.
2. Exercise caution when operating the loader with a raised loaded bucket or fork.
3. Avoid loose fill, rocks and holes. They can be dangerous for loader operation or movement.
4. Use care when operating on steep grades to maintain proper stability. Always carry the bucket as low as possible.

5. Allow for the loader length when making turns.
6. Stop the loader arms gradually when lowering or lifting.
7. Use caution when handling loose or shiftable loads.
8. Carry bucket at a low position during transport for better visibility.
9. When parking or servicing, lower bucket to ground, stop engine and set park brakes before leaving the tractor seat.
10. Operate the loader controls only when properly seated at the controls.
11. Using front end loaders without special attachments for handling large heavy objects, such as large round or rectangular bales, logs and oil drums, is **NOT RECOMMENDED**.
12. Handling large heavy objects can be extremely dangerous due to:
  - Danger of rolling the tractor over.
  - Danger of upending the tractor.
  - Danger of the object rolling or sliding down the loader arms onto the operator.
13. If you must perform this sort of work (see 12 above), protect yourself by:
  - Using the proper attachment.
  - Never lifting the load higher than necessary to clear the ground when moving.
  - Ballasting the tractor rear to compensate for the load.
  - Never lifting large objects with equipment that does not have an anti-rollback device.
  - Moving slowly and carefully, avoiding rough terrain.

## MAINTENANCE

1. When servicing or replacing pins in cylinder ends, buckets, etc., always use a brass drift and hammer. Failure to do so could result in injury from flying metal fragments.
2. Do not modify or alter or permit anyone else to modify or alter the loader or any of its components or any loader function without first consulting a Ford Tractor Dealer. If you have any questions regarding loader modifications contact Ford New Holland Inc.
3. Always wear safety goggles when servicing or repairing the machine.
4. Escaping hydraulic/diesel fluid under pressure can penetrate the skin causing serious injury.
  - **DO NOT** use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.
  - Stop engine and relieve pressure before connecting or disconnecting hydraulic or diesel lines.
  - Tighten all connections before starting engine or pressurizing lines.
  - If any fluid is injected into the skin, obtain medical attention immediately or gangrene may result.
5. Do not tamper with the relief valve setting. The relief valve is pre-set at the factory. Changing the setting can cause overloading the loader and tractor and serious operator injury may result.

Whenever you see this symbol



it means: **ATTENTION!**

**BECOME ALERT!**

**YOUR SAFETY IS INVOLVED!**

# OPERATION

## PREPARING TRACTOR PRIOR TO OPERATION



**WARNING:** Read all operator's manuals before inspecting, servicing or operating loader and tractor.

### ● INSPECTION

Thoroughly inspect the fully assembled loader and tractor prior to operation.

1. Check all hardware to be sure that it has been properly installed and tightened. Retighten all hardware after the first 10 hours of operation.
2. Check tire pressure. Refer to the tractor operator's manual for recommended pressures.
3. Review tractor lubrication schedule and consult MAINTENANCE section of this manual to be certain that all pivot points have been properly lubricated.
4. Use the method described in MAINTENANCE section of this manual to check all hose and tubing connections to insure that no leaks are present.
5. Be sure the FOPS (Falling Object Protective Structure) is installed.

### ● INSTALLING COUNTERBALANCE



**WARNING:** Before operating a tractor with a loader, make sure there is sufficient counterweight at the rear of the tractor.

Before operating the loader, for optimum stability, additional weight should be added to the rear of the tractor with rear wheel weights, liquid ballast or three-point hitch counterweight. The maximum total rear axle weight recommended is 5900 pounds for 2810, 2910, 3230, 3430, 3910, 3930, 4000AP, 4100AP, 4600AP and 4610SU tractor models and 6200 pounds for 4610AP, 4610 Narrow Orchard and 4630AP tractor models. Refer to your tractor operator's manual for additional counterweighting information.

The effective counterbalance weight of mounted rear equipment is determined by multiplying the actual weight of equipment by 1.50

**EXAMPLE:** Equipment weighing 800 pounds, attached to the rear of the tractor, multiplied by 1.50, equals 1200 pounds of effective counterbalance weight.

### ● ADJUST FRONT TREAD

Front axle tread must be set at a minimum of 62" on the 4610 Orchard tractor and a minimum of 56" on the 4610AP tractor so tires will clear loader. Check tire clearances once the loader is installed and adjust steering stops if necessary. Refer to the tractor operator's manual.

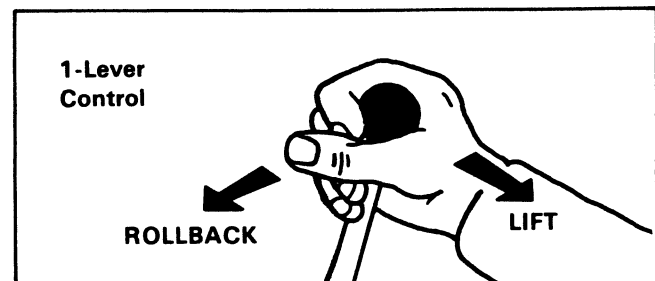
## OPERATING LOADER

The loader should be operated with the tractor engine running at 1700-2200 rpm. Excessive speeds are dangerous, and may cause bucket spillage and unnecessary strain on the tractor and loader.

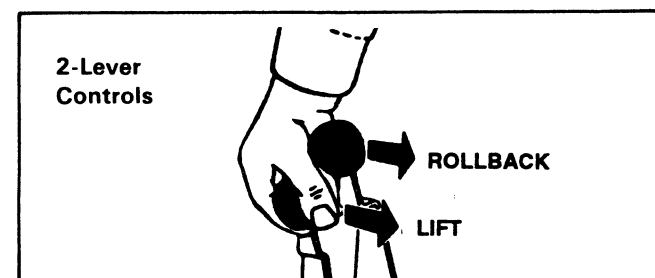
When operating in temperatures below 30°F., run the tractor engine below 1200 rpm until the oil temperature exceeds 30°F.

The following text and illustrations offer suggested loader and tractor operating techniques.

Loaders with 1-lever control, ease lever back and toward you to lift and rollback the bucket.

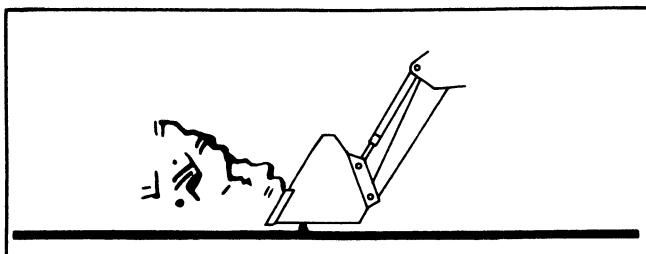


Loaders with 2-lever controls, ease both levers up to lift and rollback the bucket.



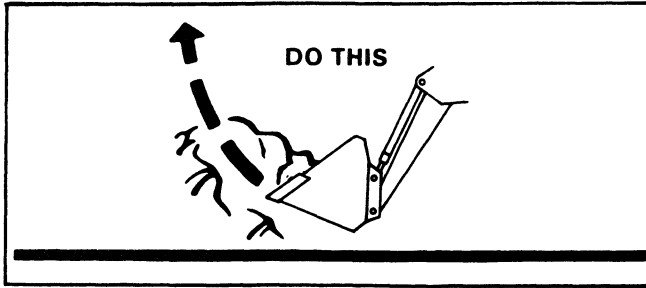
### ● FILLING THE BUCKET

Approach and enter the pile with a level bucket.

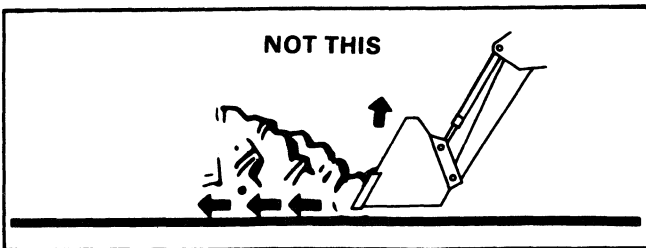


# OPERATION

The lift and rollback of the bucket will increase efficiency because . . .



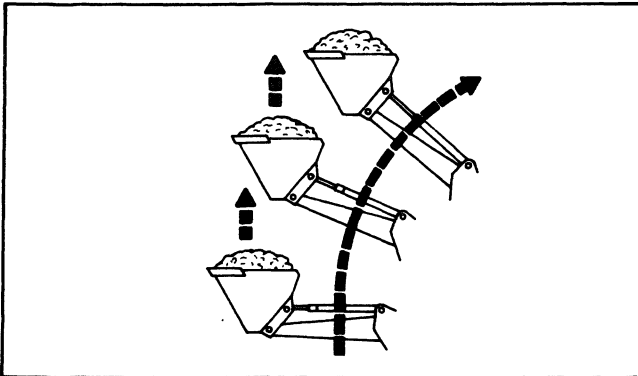
. . . a level bucket throughout the lifting cycle resists bucket lift and increases breakaway effort.



**NOTE:** Do not be concerned if the bucket is not completely filled during each pass. Maximum productivity is determined by the amount of material loaded in a given period of time. Time is lost if two or more attempts are made to fill the bucket on each pass.

## ● LIFTING THE LOAD

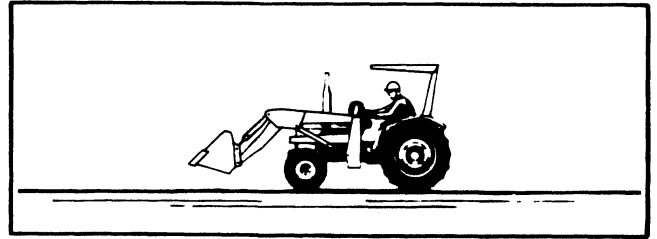
When lifting the load, keep the bucket positioned to avoid spillage.



**CAUTION:** Do not attempt to lift bucket loads in excess of the loader capacity.

## ● CARRYING THE LOAD

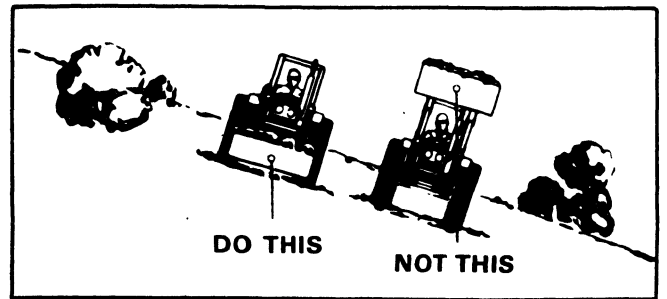
Position the bucket just below the level of the tractor hood for maximum stability and visibility, whether the bucket is loaded or empty.



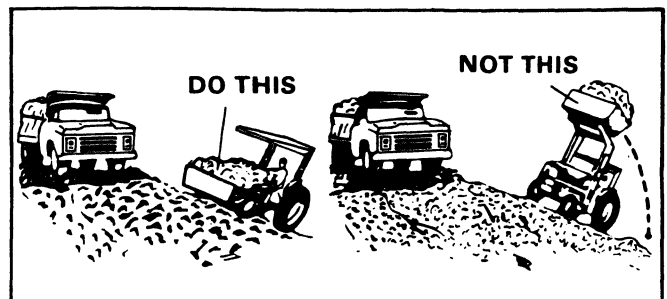
Use extreme care when operating the loader on a slope, keep the bucket as low as possible. This keeps the bucket and tractor center of gravity low and will provide maximum tractor stability.



**WARNING:** Operating the loader on a hillside is dangerous. Extreme care is recommended to avoid overturn.

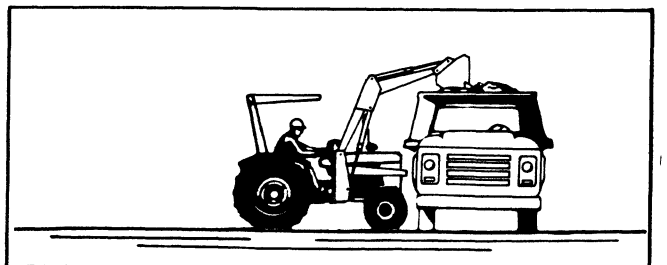


When transporting the load, keep the bucket as low as possible to avoid tipping, in case a wheel drops in a rut.



## ● DUMPING THE BUCKET

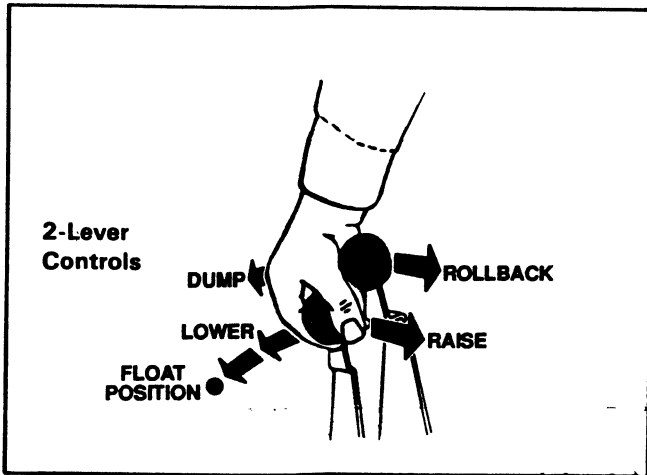
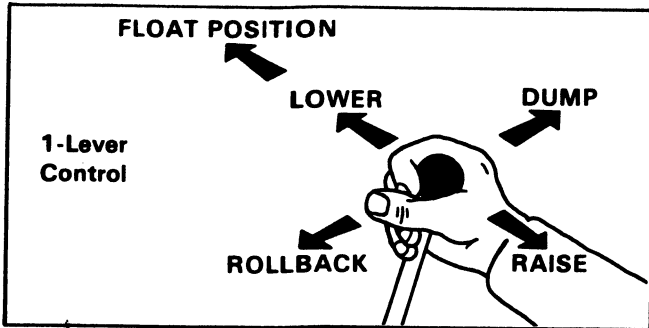
Lift the bucket high enough to clear the side of the vehicle. Move the tractor in as close to the side of the vehicle as possible, then dump the bucket.



# OPERATION

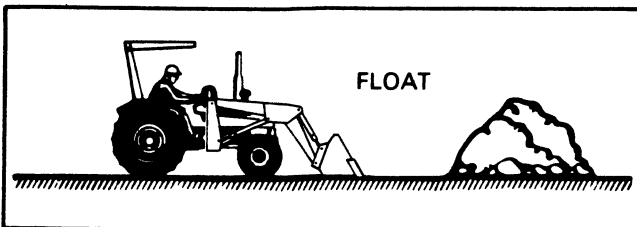
## ● LOWERING THE BUCKET

After the bucket is dumped, back away from the vehicle while lowering and rolling back the bucket.

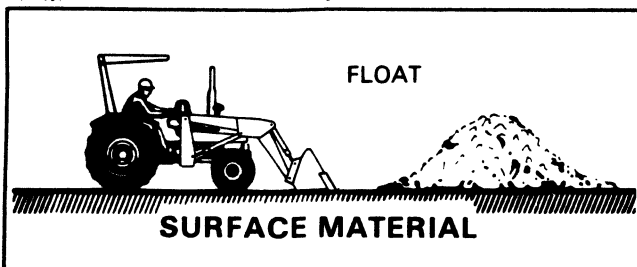


## ● OPERATING WITH FLOAT CONTROL

During hard surface operation, keep the bucket level and put the lift control in the float position to permit the bucket to float on the working surface. If hydraulic down pressure is exerted on the bucket it will wear faster than normal.

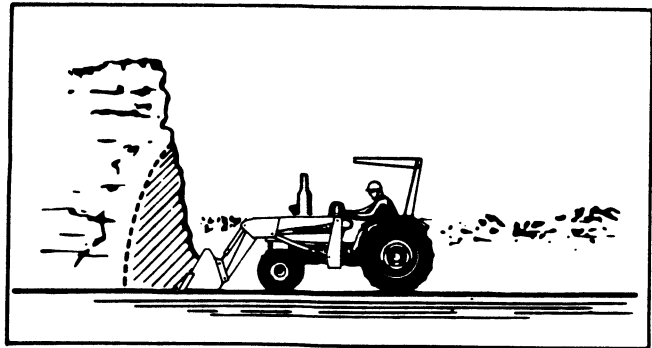


The float will also prevent the mixing of surface material with stockpile material. The float position will reduce the chance of surface gouging when removing snow or other material, or when working with a blade.

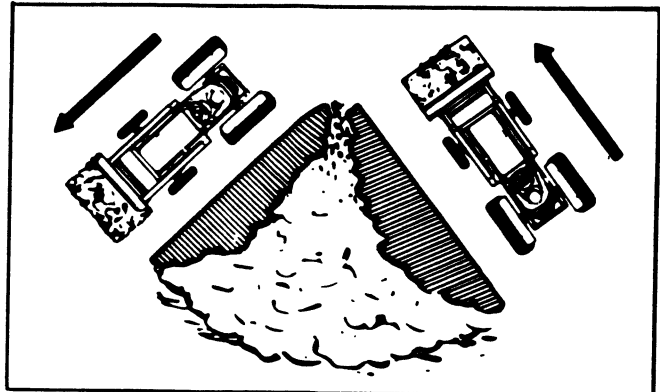


## ● LOADING FROM A BANK

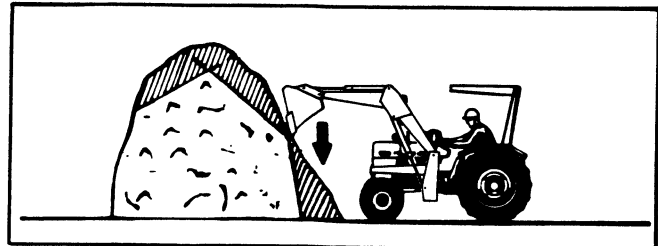
Choose a forward gear that provides sufficient ground speed for loading.



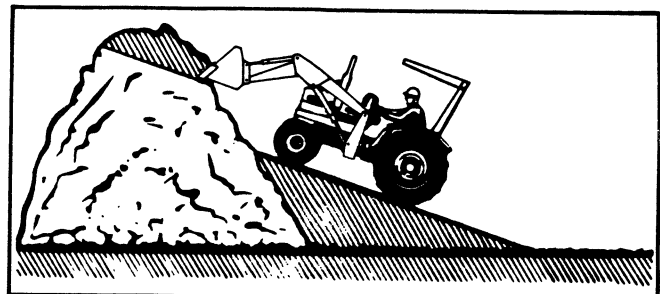
Exercise caution when undercutting high banks. Dirt slides can be dangerous. Load from as low as possible for maximum efficiency. Loader lift and break-away capacity diminish as loading height is increased.



Sidecutting is a good technique for cutting down a big pile.



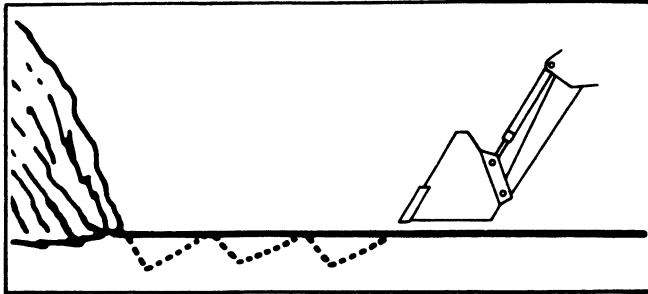
If the pile sides are too high and liable to cause cave-in, use the loader to break down the sides until a slot can be cut over the top.



Another method for large dirt piles is to build a ramp approach to the pile.

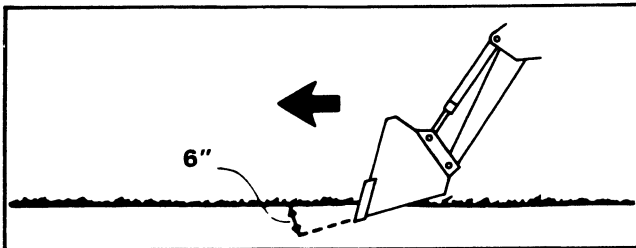


# OPERATION

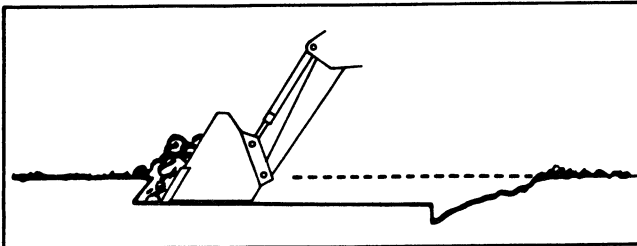


It's important to keep the bucket level when approaching a bank or pile. This will help prevent gouging the work area.

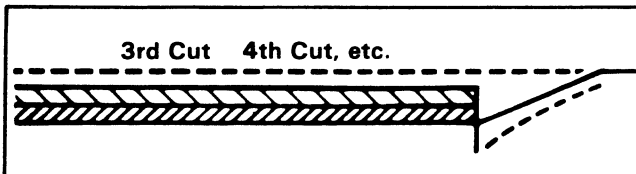
## ● PEELING AND SCRAPING



Use a slight bucket angle, travel forward, and hold the lift control forward to start the cut. Make a short, 5 to 8 foot, angle cut and break-out cleanly.

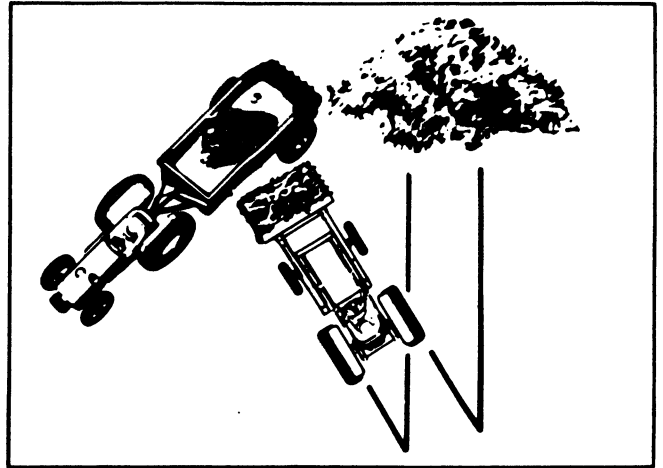


With the bucket level, start a cut at the notch approximately 2" deep. Hold the depth by feathering the bucket control to adjust the cutting lip up or down. When the front tires enter the notch, adjust the lift cylinder to maintain proper depth.

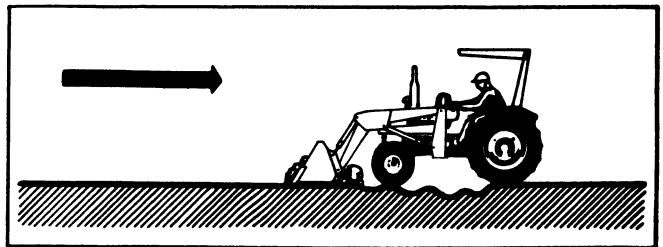


Make additional passes until the desired depth is reached. During each pass, only use the bucket control while at working depth. This will allow you to concentrate on controlling the bucket angle to maintain a precise cut.

## ● LOADING LOW TRUCKS OR SPREADERS FROM A PILE

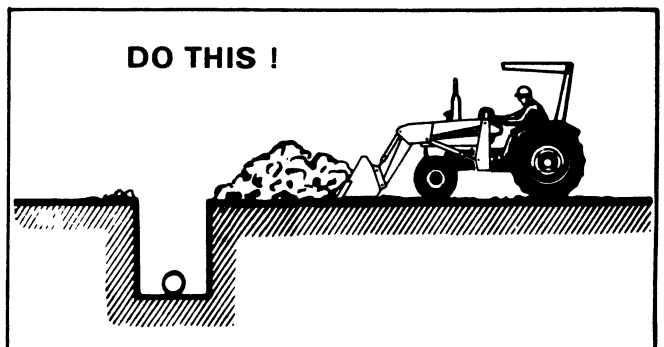


For faster loading, minimize the angle of turn and length of run between pile and spreader.



Backgrade occasionally with a loaded bucket to keep the working surface free of ruts and holes. Also, hold the lift control forward so the full weight of the bucket is scraping the ground. Use the heel of the bucket.

## ● BACKFILLING



Approach the pile with a flat bucket.

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