



MANURE SPREADER LOAN PROGRAM

Why Use a Manure Spreader?

Spreading manure or compost on pastures can improve the health of your pasture and put livestock manure to good use. A manure spreader is a chore-efficient way to distribute manure and provides an even application of nutrients. This helps prevent the smothering of grass plants and also reduces the potential for nutrient runoff into nearby streams.

The KCD manure spreader is only available for use from April 1 to September 31.

Loan Program Details

King Conservation District has a two cubic yard compost spreader available for loan to landowners in the District's service area.* The spreader is available for a \$30/day or \$80/weekend (Friday PM-Monday AM) fee that helps offset insurance and maintenance costs. *Landowners are strongly encouraged to pick up the spreader at the KCD office in Renton.* The spreader must be returned to the KCD

2017 Rental Fees

Per Day	\$30
Weekend (Friday PM-Monday AM)	\$80
Delivery fee	\$2/mile (not to exceed \$100)

office in Renton by noon and may be picked up the following day before 3pm. Users late to return the spreader will be charged for an additional day(s) of renting. KCD can deliver the spreader from KCD's office for an additional fee of \$2.00 per mile round-trip for the equipment, not to exceed \$100 per use.

ARM Worksheet Example

ARM Worksheet
 It is recommended that you fill out this form no more than 24 hours before a manure application event, particularly from October through February. You can group similar fields together on one field unit. For questions related to filling out any of the fields below, click on the provided hyperlinks for more information.

Farm Name: _____
 (Home Farm)

Property Name: _____

Application Date: _____
 Date you want to apply. You must do this evaluation no more than 24 hours prior to application.
 3/14/2017

Field Name or Unit: _____
 Do a separate evaluation for each field or management unit. A "management unit" is a group of fields with similar soil, crop type, and management conditions.
 Field 1

24 hour Precipitation (inches)
 Link to 24hr.precipitation
 0.5
 Note: The use of rainfall associated with more than 0.5 inches of rain after application is too high. Do not apply at this time.
Risk Rating: Extreme

72 hour Precipitation (inches)
 Link to 72hr.precipitation
 0
 Note: The use of rainfall associated with more than 0.5 inches of rain after application is too high. Do not apply at this time.
Risk Rating: Extreme

Soil Type
 Enter the general soil type you want to apply to. If you don't know your soil type, make your selection under "Don't know". Soil type can generally be found on your farm map.
 Sandy/Gravelly Coarse Textured Soil - A1
 Silt/Clayey Textured Soil - B1
 Clay/Clayey Textured Soil - M1
 Don't know

Soil Moisture
 Enter moisture value in %: _____. Click on the link for guidance on how to determine soil moisture here.
 50-200% of your boots depth on the field, you are at saturation
 20-50% after 24 hours your wheel tire disturbance show it moist and the soil and air wetter about saturated soil compaction due to field wetness
 10-20% after 24 hours your wheel tire disturbance show it moist and the soil and air wetter about saturated soil compaction
 0-10% after 24 hours your soil is firm and starting to dry out
 Note: Do not apply at this time. The soil moisture is too high and the risk of runoff on this field is very high.
Risk Rating: Extreme

Water Table Depth (inches)
 Water table can be determined by nearby ditches, or by digging a hole in your field. For more on how to determine water table depth, click here: 1 foot = 12 inches.
 0
 Note: The water table is too close to the soil surface for safe application at this time. Wait until it recedes before manure is applied.
Risk Rating: Extreme

Forage Density (t/ha)
 Click here for guidance on how to determine forage density here

Landowners are required to fill out the Manure Application Risk Management (ARM) worksheet prior to immediately prior to using the district's spreader. E-mail the completed worksheet to manurespreader@kingcd.org. Please consult with your planner if you receive a medium-high or high risk result after completing the ARM worksheet. The worksheet can be found online at <http://www.wadairyplan.org/ARM/arm-worksheet>



Landowners with a current KCD Farm Conservation Plan may not need a nutrient management consultation prior to use of the spreader. However, a follow-up review of the Farm Conservation Plan will be conducted and landowners are still required to fill out the ARM worksheet before spreading. Visit our web site to learn more about *Farm Management Planning* services.

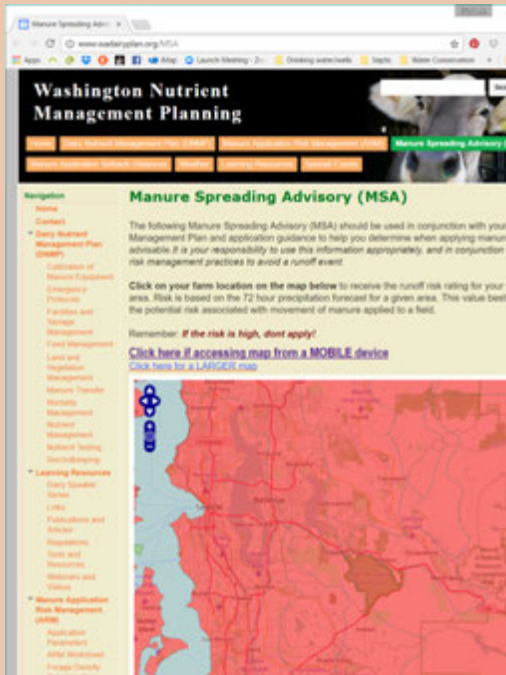
* Landowners who live within the city limits of Enumclaw, Federal Way, Skykomish, Milton, and Pacific are outside the KCD service area boundaries and are unable to take advantage of this program. Residents in those cities who are interested in utilizing KCD services should contact local elected officials about the benefits of joining King Conservation District.

Manure Spreading Advisory (MSA)

<http://www.wadairyplan.org/MSA>

The Manure Spreading Advisory (MSA) should be used in conjunction with your Nutrient Management Plan and application guidance to help you determine when applying manure is advisable.

It is your responsibility to use this information appropriately, and in conjunction with other risk management practices to avoid a runoff event.



A KCD Resource Planning staff member will conduct a nutrient management consultation before delivery of the spreader to determine proper application rates. We strongly encourage landowners to have a recent soil test analysis available for review at the time of the consultation. Visit our website for more information about our *Soil Testing Program*.

It is recommended that landowners spread composted rather than raw manure. Nutrients in composted manure are more readily available for pasture grasses or crops and that reduces the risk of potential excess runoff. To learn more about composting manure, check out our *Manure Management Fact Sheet* on our website.

The spreader is ground-driven and can be towed by a small tractor or a pick-up truck. **This manure spreader is too large to be pulled by a riding mower.**

Reservations are required and landowners can self-book online.

