

Digest-it for Dairies: Application Guide for Dairy Yard and Effluent Ponds

Date:

Dairy Shed: Daily Effluent Treatment (once per day at start of milking)

CLIENT:

Milking Herd Numbers	Application Lower Rate: [L/day]	Effluent Pond Surface Description								Application Higher Rate: [L/day]
		Liquid + Some Activity	Liquid + No Activity	Liquid + Surface Scum	Liquid + Surface Sludge	Light Sludge cover	Heavy Sludge + Grass	Light Crust + Grass	Heavy Crust + Grass	
50 - 150	Min. 0.5-0.75									1.5
151 - 250	0.75 - 1.25									2.5
251 - 450	1.25-2.25									4
451 - 650	2.25-3.25									6
651 - 850	3.25-4.25									8
851 - 1250	4.25-6.25									10 - 12
1251 - 1650	6.25-8.0									12 - 15
Solid Separation Type		Sump + Screw		Sump + Sieve		Sump + Solids Trap		No Solid Separation		

Recommended Daily Dose [Litres]

Effluent Ponds: Initial Treatment

Minimum Dose = 20L for 1st 1/2ML plus 10L for every complete ML (megalitre) thereafter. E.g. 1ML = 30L dose; 2ML = 40L

Pond Size (metres) <small>Nominal Depth 3 metres</small>	Initial Charge Lower Rate [L]	Effluent Pond Surface Description [#]								Initial Charge Higher Rate [L]
		Liquid + Some Activity	Liquid + No Activity	Liquid + Surface Scum	Liquid + Surface Sludge	Light Sludge cover	Heavy Sludge + Grass	Light Crust + Grass	Heavy Crust + Grass	
20 x 20	40-45L*									100L*
20 x 30	50L*									150L*
40 x 40	70L*									250L*
50 x 80	90-100L*									400-500L*
Solid Separation Type		Sump + Screw		Sump + Sieve		Sump + Solids Trap		No Solid Separation		

Recommended Initial Dose [Litres]

Application Guide Instructions

1. Find the description that best fits the pond from the top line. 2. Determine the solids separator type if any. 3. Draw a 'STRAIGHT' line between the two relevant marker points. 4. Follow cow numbers/pond size across to the marked line. **This gives the approximate application rate.**

Use HIGHER rates as colour darkens -

Agitate or stir pond if possible to distribute treatment

Note: Dilute Digest-it for Dairies in water at 1:20 - 1:40 mix ratio before initial treatment use.

Minimum Dose 20 litres plus 10L per ML

* Apply to surface (if moist) by spraying or inject under crust at multiple points. Additional charge may be necessary after 90 days.

For ponds with heavy surface sludge or crust it is best to inject initial charge under the crust at multiple points. Apply 20% of initial charge at dairy sump and flush, add remainder to pond. Spray out the grass cover with a suitable herbicide before surface application or agitate to break up if possible