

TECHNOTE

DIRECTOR[®] 480EC HERBICIDE IN RICE DRIP AT INUNDATION GUIDE

DRIP AT INUNDATION

The 'drip at inundation' process is also commonly referred to as the 'drip method'. Drip at inundation will provide very effective barnyard grass control and silver top suppression when using Director according to the following directions:

Director dilution for dripping

1. Add 3L of Director to 17L of clean water
2. This will provide 20L of total dilute solution
3. Apply 4L of dilute solution per hectare - this means 20L of dilute solution will treat 5 hectares.

This will provide a Director rate of 600mL/ha.

To achieve acceptable results from 'drip at inundation', the following points should be followed:

- The area to be treated must be known. Accuracy is better if individual bay sizes are known.
- The time to fill bays with permanent water should be estimated. Current soil moisture, bay contour and

sowing method should be considered. Please refer to the tables below and on the next page for drill rice and aerial sown rice for the total areas flooded during a 24 hour period.

- Constant flows of irrigation water are desirable to avoid frequent re-calibration.
- No water movement should occur for the three (3) days following application.
- Normal water depth should be restored to ensure maximum effectiveness in grass weed control and ensure rice health.
- At time of dripping, the soil surface may be dry or moist but NOT flooded or puddled.
- Bays may be filled by 'flooding through' to a maximum of 12 hectares or 'flooding back' or filled individually. DO NOT attempt to treat large areas with inadequate water flows.

SELECT THE TOTAL AREA FLOODED IN 24 HOURS FROM THE FOLLOWING TABLES:

DRILL SOWN RICE

No. of Revs	megalitre ML	Area Flooded in 24 hours			
		Sod Seeded		Combine	
		Hectares	Acres	Hectares	Acres
4	6	2.4 - 2.8	6.0 - 7.0	2.8 - 3.2	7.0 - 8.0
5	7.5	2.8 - 3.2	7.0 - 8.0	3.6 - 4.5	9.0 - 11.0
6	9	3.2 - 4.0	8.0 - 10.0	4.8 - 6.0	12.0 - 15.0
7	10.5	4.0 - 4.5	10.0 - 11.0	6.0 - 6.5	15.0 - 16.0
8	12	4.8 - 5.3	12.0 - 13.0	6.5 - 7.0	16.0 - 17.0
9	13.5	5.3 - 5.7	13.0 - 14.0	7.0 - 7.3	17.0 - 18.0
10	15	6.0	15.0	7.3 - 8.0	18.0 - 20.0

The tables should be used as a guide only. Times will vary according to soil type, soil moisture status and the slope and evenness of grade within the bays.

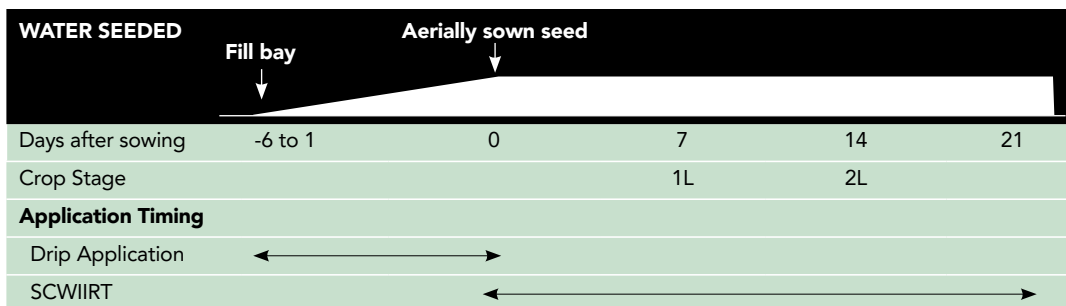
DRILL SOWN RICE	Drill Sown	1st flush	2nd flush	Fill bay permanent water
Days after sowing	0	7	14	21 - 28
Crop Stage		1	1.5 - 2	3 - 4
Application Timing				
Drip Application	←————→			

SELECT THE TOTAL AREA FLOODED IN 24 HOURS FROM THE FOLLOWING TABLES:

AERIAL SOWN RICE OR WATER SEEDED

No. of Revs	megalitre ML	Area Flooded in 24 hours	
		Hectares	Acres
5	7.5	1.6 - 2.4	4.0 - 6.0
6	9	2.0 - 2.8	5.0 - 7.0
7	10.5	2.4 - 3.2	6.0 - 8.0
8	12	2.8 - 3.6	7.0 - 9.0
9	13.5	3.2 - 4.0	8.0 - 10.0
10	15	3.6 - 4.5	9.0 - 11.0

The tables should be used as a guide only. Times will vary according to soil type, soil moisture status and the slope and evenness of grade within the bays.



DIRECTOR 480EC HERBICIDE 20L SOLUTION

(3L Director + 17L Clean Water)

Approximate flow rates for various sized orifice plates (4916 T-Jet)

CHOOSE THE APPROPRIATE ORIFICE PLACE FROM THE FOLLOWING TABLE:

Area treated in 24 hours		Orifice Plate Selected	Output mL/min	L Used in 24 hours	Approx. Emptying time per 20L drum (hours)
Areas	Hectares				
5.00	2.00	12	5.6	8.00	60.0
5.75	2.30	14	6.4	9.20	52.2
6.50	2.60	14	7.2	10.40	46.2
7.25	2.90	14	8.1	11.60	41.4
8.00	3.30	16	9.2	13.20	36.4
8.50	3.40	16	9.4	13.60	35.3
9.25	3.70	16	10.3	14.80	32.4
10.00	4.00	16	11.1	16.00	30.0
10.75	4.40	16	12.2	17.60	27.3
11.50	4.60	16	12.8	18.40	26.1
12.25	5.00	16	13.9	20.00	24.0
13.00	5.30	16	14.7	21.20	22.6
13.50	5.50	16	15.3	22.00	21.8
14.50	5.90	18	16.4	23.60	20.3
15.00	6.10	18	16.9	24.40	19.7
16.00	6.50	20	18.1	26.00	18.5
16.50	6.70	20	18.6	26.80	17.9
17.25	7.00	20	19.4	28.00	17.1
18.00	7.30	20	20.3	29.20	16.4
18.75	7.60	20	21.1	30.40	15.8

For more information on Director, contact your local Nufarm Area Sales Manager.

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