Experiment No.	:	PDM 02
Focus	:	Effects of different water regime and nitrogen management on sheath blight of rice
Duration	:	Dry Season 2015
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Group	:	Plant Disease Management
Update	:	8 May 2015

1. SCHEDULE

Dry season 2015 (December 2014 – April 2015)

Date		DAS	DAT	DAI	Activity
16 Dec	T				: Land preparation
18 Dec	Th				: Soaking of seeds (Rc 222)
19 Dec	**F**	**0**			**: Sowing in trays (Rc 222)**
26 Dec	F	7			: First harrowing
5 Jan	M	17			: Final harrowing; Basal fertiliser application
9 Jan	**F**	**21**	**0**		**: Transplanting (Rc 222);** Molluscicide application
20 Jan	T	32	11		: Inoculum preparation (*Rhizoctonia solani*)
29 Jan	**Th**	**41**	**20**	**0**	**: Broadcast inoculation**
30 Jan	F	42	21	1	: Start AWD monitoring
3 Feb	T	46	25	5	: Fertiliser application (active tillering)
12 Feb	Th	55	34	14	: Disease assessment (1st)
20 Feb	F	63	42	22	: Disease assessment (2nd)
5 Mar	Th	76	55	35	: Disease assessment (3rd)
19 Mar	Th	90	69	49	: Disease assessment (4th)
1 Apr	W	113	82	62	: Disease assessment (5th)
22 Apr	W	134	103	83	: Disease assessment (6th)

2. METHODOLOGY

Design of the experiment:

Design	: Split-plot
Main plot	: Water management (2)
	W_1 – Flooded/Farmer's Practice (FLD)
	W_2 – Alternate Wetting and Drying (AWD)
Sub-plot	: Nitrogen management (3)
	N_0 – No fertiliser application
	N_1 – 120 kg/ha (Rice Crop Manager recommendation)
	N_2 – 150 kg/ha (high N rate)
Replication	: Four (4)
Sub-plot size	: 4m × 13m (52 m^2)
Main plot size	: 13.8m × 14.2m (195.96 m^2)
Replication size	: 13.8m × 29.4m (405.72 m^2)
Experiment size	: 28.6m × 59.8m (1,710.28 m^2)
Location	: UL8 (1,783 m^2)

Nitrogen management:

Nitrogen treatment	Total nitrogen (kg/ha)	Total nitrogen per plot (kg/52 m²)	Split nitrogen fertiliser application (kg/52 m²) using Urea (46-0-0)		
			Basal	Active Tillering	Panicle Initiation
N_0	0	0	0	0	0
N_1	120	0.624	0.68	0.34	0.34
N_2	150	0.780	0.68	0.51	0.51