

# Weed Management Practices by Lowland Rice Farmers in the South West of Nigeria

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Ekiti west	Oke Mesi	4°55' 19.39" E	7°50' 07.23" N	408 m
	Ido- Ile	4°57' 26.05" E	7°48' 03.45" N	409 m
	Erio	5°00' 31.85" E	7°43' 49.14" N	485 m
Ijero	Epe	5°07' 00.21" E	7°47' 35.58" N	499 m
	Iroko	5°05' 43.17" E	7°49' 42.23" N	544 m
Irepodun/Ifelodun	Are/Afao	5°18' 20.49" E	7°41' 59.07" N	390 m
	Igbemo	5°21' 00.60" E	7°42' 01.48" N	378 m
Ggbonyin	Ilumoba	5°25' 51.37" E	7°38' 36.83" N	379 m
	Aisegba	5°28' 49.63" E	7°36' 04.93" N	409 m
<b>ONDO</b>				
Akure North	Ogbese	5°22' 13.79" E	7°15' 28.41" N	311 m
	Owode	5°16' 39.55" E	7°16' 06.14" N	332 m
	Araromi	5°17' 21.88" E	7°16' 28.86" N	334 m
	Igoba	5°14' 53.09" E	7°19' 59.58" N	340 m
	Alayere	5°21' 36.02" E	7°15' 25.52" N	315 m
Akure South	Awule	5°10' 25.31" E	7°16' 24.98" N	342 m
	Leo	5°09' 14.21" E	7°18' 00.61" N	362 m
	Owena(Baracks)	5°08' 14.49" E	7°15' 28.09" N	349 m
	Aponmu	5°03' 45.20" E	7°14' 23.31" N	278 m
Idanre	Owena	5°01' 10.65" E	7°11' 45.65" N	252 m
Ile-Oluji/Oke-igbo	Ile-Oluji	4°51'21.93" E	7°13' 19.15" N	229 m

## Results

### Demographic and socio-economic characteristics of lowland rice farmers

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60 and above	10	8.8
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**Gender**

Male	78	66.1
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Female	40	33.9
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**Educational level**

No formal education	26	21.8
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Primary	39	32.8
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Secondary	40	33.8
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Tertiary	13	10.9
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**Occupation**

Farming	76	63.9
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Others	41	34.5
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**Farming Experience (years)**

01-Oct	49	45.8
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Nov-20	34	31.8
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21-30	16	15.0
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31-40	4	3.7
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41 and above	4	3.7
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**Rice Farm Size (ha)**

0-1	34	30.1
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2-5	58	51.3
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06-Oct	16	14.2
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11 and above	5	4.4
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**Extension Serv6-**

<i>Chromolaena odorata</i> (L.) R. M.	P	17	14.4
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**Grasses**

<i>Pennisetum purpureum</i> Schum.	A	11	9.3
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<i>Sporobolus pyramidalis</i> P. Beauv.	A	26	22
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<i>Cynodon dactylon</i> (Linn.) Pers.	A	3	2.5
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<i>Imperata cylindrical</i> (Linn.) Raeuschel var. <i>Africana</i> (Anderss) C.E. Hubbard	P	9	7.6
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<i>Axonopus compressus</i> (Sw) P. Beauv.	A	11	9.3
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<i>Sacciolepis africana</i> Hubb and Snowden	P	-	-
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	PPA		PE	
	Glyphosate	Paraquat	2,4-D amine	2,4-D amine+Propanil (mixture)
Herbicide Quantity in Sprayer (ml)	241.19 ± 9.29	186.27 ± 9.91	207.88 ± 10.49	216.38 ± 13.63
Amount of Water in Sprayer (ml)	17.24 ± 0.22	16.82 ± 1.03	16.34 ± 0.30	17.74 ± 0.30
Area Covered by Sprayer (ha)	0.09 ± 0.02	0.05 ± 0.01	0.05 ± 0.01	0.09 ± 0.02
Herbicide Application (litre/ha)	2.6-2.8	3.6-4.0	4.0-4.4	2.3-2.6
Recommended Rate (litre/ha)	6	3	1-1.5	4
% of Recommended Rate Used	47%	34%	200%	65%

Farm Credits for Weeding	22 (22.2%)	59 (72.8%)	24 (20.3%)	48 (40.7%)
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## Discussion

Weed management practices among lowland rice farmers in Southwest Nigeria

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Some factors limiting productivity among lowland rice farmers in Southwestern Nigeria



**Citation:** Alagbo OO, Akinyemiju OA (2018) Weed Management Practices by Lowland Rice Farmers in the South West of Nigeria. Adv Crop Sci Tech 6: 372.

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