

Table 1. Accuracy assessment of farm utua2.

Class Value	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	Users Accuracy	Kappa
C_1 - Coffee	7	1	6	14	4	0	0	0	17	49	0.1428571429	0
C_2 - Citrus	1	10	3	12	6	0	2	2	19	55	0.1818181818	0
C_3 - Banana	1	0	5	7	5	3	0	6	2	29	0.1724137931	0
C_4 - Palm	0	2	0	3	4	0	0	0	16	25	0.12	0
C_5 - Grasses/Low Herbaceous Vegetation	0	2	0	3	24	0	0	0	2	31	0.7741935484	0
C_6 - Bare Earth	1	0	0	1	0	7	3	10	1	23	0.3043478261	0
C_7 - Paved	0	0	0	0	0	0	10	0	0	10	1	0
C_8 - Buildings	0	0	0	1	0	0	0	96	0	97	0.9896907216	0
C_10 - Overstory Vegetation	0	0	3	32	6	0	20	0	127	188	0.6755319149	0
Total	10	15	17	73	49	10	35	114	184	507	0	0
Producers Accuracy	0.7	0.6666666667	0.2941176471	0.04109589041	0.4897959184	0.7	0.2857142857	0.8421052632	0.6902173913	0	0.5700197239	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.4625973054

Table 2. Accuracy assessment of farm utua16.

Class Value	C_1	C_3	C_4	C_5	C_6	C_7	C_8	C_9	C_10	Total	Users Accuracy	Kappa
C_1 - Coffee	0	1	15	12	0	0	0	0	62	90	0	0
C_3 - Banana	0	8	16	4	0	0	1	0	67	96	0.0833333333	0
C_4 - Palm	0	1	26	10	0	0	3	0	33	73	0.3561643836	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	0	24	0	0	0	0	1	25	0.96	0
C_6 - Bare Earth	0	0	0	0	11	0	2	0	0	13	0.8461538462	0
C_7 - Paved	0	0	0	0	0	6	1	0	0	7	0.8571428571	0
C_8 - Buildings	0	0	0	0	0	6	5	0	0	11	0.4545454545	0
C_9 - Water	0	0	0	0	0	0	0	46	0	46	1	0
C_10 - Overstory Vegetation	0	0	17	0	0	0	1	0	121	139	0.8705035971	0
Total	0	10	74	50	11	12	13	46	284	500	0	0
Producers Accuracy	0	0.8	0.3513513514	0.48	1	0.5	0.3846153846	1	0.426056338	0	0.494	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.3688443615

Table 5. Accuracy assessment of farm utua20.

Class Value	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	Users Accuracy	Kappa
C_1 - Coffee	1	0	0	2	7	14	0	5	3	32	0.03125	0
C_2 - Citrus	5	0	4	1	1	2	0	0	85	98	0	0
C_3 - Banana	0	0	14	16	2	0	0	0	57	89	0.1573033708	0
C_4 - Palm	0	0	0	0	0	0	0	0	0	0	0	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	0	1	0	7	1	1	0	10	0	0
C_6 - Bare Earth	0	0	1	0	0	5	2	1	1	10	0.5	0
C_7 - Paved	0	0	0	5	0	0	7	2	0	14	0.5	0
C_8 - Buildings	0	0	0	0	0	0	0	105	0	105	1	0
C_10 - Overstory Vegetation	4	0	6	4	0	0	0	2	134	150	0.8933333333	0
Total	10	0	25	29	10	28	10	116	280	508	0	0
Producers Accuracy	0.1	0	0.56	0	0	0.1785714286	0.7	0.9051724138	0.4785714286	0	0.5236220472	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.3878268491

Table 6. Accuracy assessment of farm utua30.

Class Value	C_1	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	Users Accuracy	Kappa
C_1 - Coffee	4	5	5	7	4	0	0	48	73	0.05479452055	0
C_3 - Banana	0	3	22	42	5	0	0	31	103	0.02912621359	0
C_4 - Palm	0	0	0	0	0	0	0	0	0	0	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	0	1	0	0	0	2	3	0.3333333333	0
C_6 - Bare Earth	0	0	8	2	28	0	0	0	38	0.7368421053	0
C_7 - Paved	0	0	9	1	1	37	15	0	63	0.5873015873	0
C_8 - Buildings	0	0	1	0	0	2	38	4	45	0.8444444444	0
C_10 - Overstory Vegetation	6	2	20	7	0	0	0	151	186	0.811827957	0
Total	10	10	65	60	38	39	53	236	511	0	0
Producers Accuracy	0.4	0.3	0	0.01666666667	0.7368421053	0.9487179487	0.7169811321	0.6398305085	0	0.5127201566	0
Kappa	0	0	0	0	0	0	0	0	0	0	0.391198044

Table 7. Accuracy assessment of farm yauc4.

Class Value	C_1	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	Users Accuracy	Kappa
C_1 - Coffee	9		9	0	4	0	0	0	22	0.4090909091	0
C_3 - Banana	0		16	2	2	15	0	0	37	0.4324324324	0
C_4 - Palm	0		0	0	0	0	0	0	0	0	0
C_5 - Grasses/Low Herbaceous Vegetation	1		2	1	4	17	0	0	30	0.1333333333	0
C_6 - Bare Earth	0		1	0	0	13	0	0	16	0.8125	0
C_7 - Paved	0		0	0	0	0	19	0	19	1	0
C_8 - Buildings	0		0	0	0	0	0	8	8	1	0
C_10 - Overstory Vegetation	0		2	65	0	0	2	307	376	0.8164893617	0
Total	10		30	68	10	45	19	316	508	0	0
Producers Accuracy	0.9	0.5333333333	0	0.4	0.2888888889	1	0.8	0.9715189873	0	0.7401574803	0
Kappa	0	0	0	0	0	0	0	0	0	0	0.5085924504

Table 8. Accuracy assessment of farm adju8.

Class Value	C_1	C_3	C_5	C_6	C_7	C_8	C_9	C_10	Total	Users Accuracy	Kappa
C_1 - Coffee	12		6	2	1	0	10	0	41	0.2926829268	0
C_3 - Banana	2		14	8	0	0	1	20	41	0.1627906977	0
C_5 - Grasses/Low Herbaceous Vegetation	0		6	26	2	0	3	0	35	0.3611111111	0
C_6 - Bare Earth	0		1	2	48	3	0	0	54	0.8888888889	0
C_7 - Paved	0		0	0	6	9	1	0	16	0.5625	0
C_8 - Buildings	0		1	0	0	0	27	0	29	0.9310344828	0
C_9 - Water	0		0	0	0	0	0	26	26	1	0
C_10 - Overstory Vegetation	1		8	3	0	0	0	0	38	0.76	0
Total	15		36	41	57	12	42	46	125	0	0
Producers Accuracy	0.8	0.3888888889	0.6341463415	0.8421052632	0.75	0.6428571429	0.5652173913	0.304	0	0.5347593583	0
Kappa	0	0	0	0	0	0	0	0	0	0	0.4634190585

Table 9. Accuracy assessment of farm jayu2_3.

Class Value	C_1	C_3	C_4	C_5	C_6	C_7	C_8	C_9	C_10	Total	Users Accuracy	Kappa	
C_1 - Coffee	4		2	2	4	1	0	3	0	15	31	0.1290322581	0
C_3 - Banana	3		11	4	1	0	0	1	0	75	95	0.1157894737	0
C_4 - Palm	1		4	7	1	0	0	0	0	23	36	0.1944444444	0
C_5 - Grasses/Low Herbaceous Vegetation	1		3	1	20	1	0	0	0	13	39	0.5128205128	0
C_6 - Bare Earth	0		0	2	2	16	0	18	0	0	38	0.4210526316	0
C_7 - Paved	0		0	0	0	1	19	29	1	0	50	0.38	0
C_8 - Buildings	0		0	1	0	2	0	132	0	2	137	0.9635036496	0
C_9 - Water	0		0	0	0	0	0	14	9	0	23	0.3913043478	0
C_10 - Overstory Vegetation	1		4	0	2	0	0	0	0	46	53	0.8679245283	0
Total	10		24	17	30	21	19	197	10	174	502	0	0
Producers Accuracy	0.4	0.4583333333	0.4117647059	0.6666666667	0.7619047619	1	0.6700507614	0.9	0.2643678161	0	0.5258964143	0	
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.4295536256	

Table 14. Accuracy assessment of Iteration C of farm UTUA2.

Class Value	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	User's Accuracy	Kappa
C_1 - Coffee	6	1	2	8	3	0	0	0	35	55	0.109091	0
C_2 - Citrus	0	11	4	24	4	0	4	1	39	87	0.126437	0
C_3 - Banana	2	2	5	1	11	1	15	2	5	44	0.113636	0
C_4 - Palm	0	0	1	16	6	0	0	0	46	69	0.231884	0
C_5 - Grasses/Low Herbaceous Vegetation	1	1	0	1	20	0	0	0	0	23	0.869565	0
C_6 - Bare Earth	0	0	0	2	0	9	2	18	0	31	0.290323	0
C_7 - Paved	0	0	0	0	0	0	11	0	0	11	1	0
C_8 - Buildings	0	0	0	1	0	0	0	93	0	94	0.989362	0
C_10 - Overstory Vegetation	1	0	5	20	5	0	3	0	59	93	0.634409	0
Total	10	15	17	73	49	10	35	114	184	507	0	0
Producer's Accuracy	0.6	0.733333	0.294118	0.219178	0.408163	0.9	0.314286	0.815789	0.320652	0	0.453649	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.360941

Table 15. Accuracy assessment of Iteration C of farm UTUA16.

Class Value	C_1	C_3	C_4	C_5	C_6	C_7	C_8	C_9	C_10	Total	User's Accuracy	Kappa
C_1 - Coffee	0	4	20	14	0	0	1	0	41	80	0	0
C_3 - Banana	0	5	11	0	1	0	0	0	51	68	0.073529	0
C_4 - Palm	0	0	23	4	0	0	2	0	45	74	0.310811	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	2	32	0	0	0	0	11	45	0.711111	0
C_6 - Bare Earth	0	0	0	0	8	0	1	1	0	10	0.8	0
C_7 - Paved	0	0	0	0	2	5	6	0	0	13	0.384615	0
C_8 - Buildings	0	0	0	0	0	7	3	0	0	10	0.3	0
C_9 - Water	0	0	0	0	0	0	0	45	1	46	0.978261	0
C_10 - Overstory Vegetation	0	1	18	0	0	0	0	0	135	154	0.876623	0
Total	0	10	74	50	11	12	13	46	284	500	0	0
Producer's Accuracy	0	0.5	0.310811	0.64	0.727273	0.416667	0.230769	0.978261	0.475352	0	0.512	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.375467

Table 16. Accuracy assessment of Iteration C of farm UTUA18.

Class Value	C_1	C_2	C_3	C_5	C_6	C_7	C_8	C_10	Total	User's Accuracy	Kappa	
C_1 - Coffee	0	0	0	0	0	0	0	0	0	0	0	
C_2 - Citrus	0	0	0	0	0	0	0	0	0	0	0	
C_3 - Banana	3	0	28	10	10	0	0	0	99	150	0.186667	0
C_5 - Grasses/Low Herbaceous Vegetation	4	10	11	18	6	0	0	0	53	102	0.176471	0
C_6 - Bare Earth	0	0	0	0	4	0	2	0	6	6	0.666667	0
C_7 - Paved	0	0	0	0	0	19	22	0	41	41	0.463415	0
C_8 - Buildings	0	0	0	0	3	14	58	0	75	75	0.773333	0
C_10 - Overstory Vegetation	3	0	21	1	0	0	0	113	138	138	0.818841	0
Total	10	10	60	29	23	33	82	265	512	512	0	0
Producer's Accuracy	0	0	0.466667	0.62069	0.173913	0.575758	0.707317	0.426415	0	0	0.46875	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.323879

Table 17. Accuracy assessment of Iteration D of farm UTUA20.

Class Value	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	User's Accuracy	Kappa
C_1 - Coffee	0	0	1	1	4	15	0	5	2	28	0	0
C_2 - Citrus	4	0	4	1	0	0	0	0	0	77	86	0
C_3 - Banana	0	0	15	23	3	0	0	0	0	63	104	0.144231
C_4 - Palm	0	0	0	0	0	0	0	0	0	0	0	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	1	0	3	5	2	1	2	14	14	0.214286
C_6 - Bare Earth	0	0	1	0	0	8	4	9	0	22	22	0.363636
C_7 - Paved	0	0	0	0	0	0	4	8	0	12	12	0.333333
C_8 - Buildings	0	0	0	0	0	0	0	93	0	93	93	1
C_10 - Overstory Vegetation	6	0	3	4	1	0	0	0	136	150	150	0.906667
Total	10	0	25	29	11	28	10	116	280	509	509	0
Producer's Accuracy	0	0	0.6	0	0.272727	0.285714	0.4	0.801724	0.485714	0	0	0.508841
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.371676

Table 18. Accuracy assessment of Iteration E of farm UTUA2.

Class Value	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	User's Accuracy	Kappa
C_1 - Coffee	7	1	0	4	6	0	0	0	24	42	0.166667	0
C_2 - Citrus	2	10	4	28	4	0	2	1	27	78	0.128205	0
C_3 - Banana	0	1	8	6	7	1	16	8	7	54	0.148148	0
C_4 - Palm	0	0	0	13	3	0	0	0	58	74	0.175676	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	0	1	21	0	0	0	1	23	0.913043	0
C_6 - Bare Earth	1	0	1	2	0	9	0	13	1	27	0.333333	0
C_7 - Paved	0	0	0	0	0	0	16	2	0	18	0.888889	0
C_8 - Buildings	0	0	0	1	0	0	0	90	0	91	0.989011	0
C_10 - Overstory Vegetation	0	3	4	18	8	0	1	0	66	100	0.66	0
Total	10	15	17	73	49	10	35	114	184	507	0	0
Producer's Accuracy	0.7	0.666667	0.470588	0.178082	0.428571	0.9	0.457143	0.789474	0.358696	0	0.473373	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.380003

Table 19. Accuracy assessment of Iteration F of farm UTUA2.

Class Value	C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_10	Total	User's Accuracy	Kappa
C_1 - Coffee	5	2	3	11	2	0	1	0	17	41	0.121951	0
C_2 - Citrus	1	9	3	21	4	0	1	0	27	66	0.136364	0
C_3 - Banana	3	2	6	4	8	1	18	4	9	55	0.109091	0
C_4 - Palm	1	0	1	11	7	0	0	0	61	81	0.135802	0
C_5 - Grasses/Low Herbaceous Vegetation	0	0	0	6	22	0	0	0	0	28	0.785714	0
C_6 - Bare Earth	0	0	0	5	0	8	5	16	2	36	0.222222	0
C_7 - Paved	0	0	0	0	0	0	8	0	0	8	1	0
C_8 - Buildings	0	0	0	0	0	1	0	94	0	95	0.989474	0
C_10 - Overstory Vegetation	0	2	4	15	6	0	2	0	68	97	0.701031	0
Total	10	15	17	73	49	10	35	114	184	507	0	0
Producer's Accuracy	0.5	0.6	0.352941	0.150685	0.44898	0.8	0.228571	0.824561	0.369565	0	0.455621	0
Kappa	0	0	0	0	0	0	0	0	0	0	0	0.358437