

Table 1. Potential suitable areas (ha) for TSS systems in the provinces of Indonesia. The second column refers to current cropland, the third and fourth column give the results when additional constraints are combined with current cropland.

Province	Cropland	Constraints (1)	Constraints (2)
Bali	124,276	5,990	35,515
Banten	237,396	918	51,618
DI. Yogyakarta	89,856	5,130	31,064
DKI Jakarta	7,427	0	1,967
Jambi	1,193,404	0	108,545
Jawa Barat	1,020,455	37,683	322,590
Jawa Tengah	1,091,314	148,388	246,212
Jawa Timur	1,634,057	303,961	556,689
Kalimantan Barat	2,826,764	25,006	663,032
Kep. Bangka Belitung	378,223	0	0
Aceh	1,203,726	2,746	70,624
Nusa Tenggara Barat	487,456	11,469	45,831
Papua Barat	1,302,638	4,793	64,467
Sulawesi Barat	267,983	4,585	56,767
Sulawesi Selatan	1,061,669	95,811	257,915
Sulawesi Utara	378,936	315	23,016
Riau	1,694,681	276	9,406
Sumatera Barat	807,275	5,436	75,433
Kep. Riau	122,307	0	9,184
Maluku Utara	699,593	4,824	66,928
Lampung	1,122,947	40,178	475,498
Maluku	1,088,623	10,543	90,548
Nusa Tenggara Timur	1,697,010	17,720	95,514
Sulawesi Tenggara	769,114	20,405	171,222
Kalimantan Tengah	1,731,020	0	279,728
Kalimantan Selatan	824,691	3,472	92,563
Kalimantan Timur	2,492,946	57,544	404,458
Bengkulu	449,261	10	21,409
Sumatera Selatan	2,217,632	19,813	190,338
Gorontalo	323,365	0	49,064
Sulawesi Tengah	1,165,630	9,902	139,843
Papua	3,831,749	3,678	276,719
Sumatera Utara	1,840,597	21,353	179,566
Total	36,184,021	861,947	5,163,272

Constraints (1): Elevation<500 m, Slope<2%, 5.5<pH-H₂O<7.5, SOM<10% and Clay<35%.

Constraints (2): Elevation<1000 m, Slope<5%, 5.0<pH-H₂O<8.0, SOM<20% and Clay<35%