

Table 1: Constraints specifications for the allocation of potential land uses per parcel.

Constraints	Rice	Urban	PV	Vegetables and fruits
Permitted type of land use	Agricultural wastelands, vegetable crops	Agricultural wastelands, sugarcane	Agricultural wastelands	Agricultural wastelands
Minimal surface area	240 m <sup>2</sup> ( <i>Association Riz Réunion</i> )	/	3000 m <sup>2</sup> ( <i>author</i> )	/
Maximal altitude	1200 m ( <i>Association Riz Réunion</i> )	/	/	1800 m ( <a href="#">Le Mézo et al., 2022</a> )
Maximal slope	10 % ( <a href="#">Makungwe et al., 2021</a> )	30 % ( <a href="#">Lajoie and Hagen-Zanker, 2007</a> )	10 % ( <a href="#">Nebey et al., 2020</a> )	30 % ( <a href="#">DAAF, 2017</a> )
Minimum water requirements	300 mm / cycle ( <i>Association Riz Réunion</i> )	/	/	300 mm / year ( <a href="#">DAAF, 2017</a> )
Neighborhood distance with urban parcels	/	20 m ( <i>author</i> )	/	/

## REFERENCES

- DAAF (2017). Chapitre 4: Gestion de l’eau et irrigation. Technical report, Direction de l’Alimentation, de l’Agriculture et de la Forêt.
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