

Experimental Agriculture

Improving Water Productivity of Crop-Livestock Systems in Drought-prone Regions

CONTENTS

Amede, T., Tarawali, S. and Peden, D. Improving water productivity in crop-livestock systems of drought-prone regions. Editorial Comment	1
Amede, T., Menza, M. and Awlachew, S. B. <i>Zai</i> improves nutrient and water productivity in the Ethiopian highlands	7
Descheemaeker, K., Amede, T., Hailelassie, A. and Bossio, D. Analysis of gaps and possible interventions for improving water productivity in crop livestock systems of Ethiopia	21
Derib, S. D., Descheemaeker, K., Hailelassie, A. and Amede, T. Irrigation water productivity as affected by water management in a small-scale irrigation scheme in the Blue Nile Basin, Ethiopia	39
Awulachew, S. B. and Ayana, M. Performance of irrigation: an assessment at different scales in Ethiopia	57
Ali, H., Descheemaeker, K., Steenhuis, T. S. and Pandey, S. Comparison of landuse and landcover changes, drivers and impacts for a moisture-sufficient and drought-prone region in the Ethiopian Highlands	71
Mekonnen, S., Descheemaeker, K., Tolera, A. and Amede, T. Livestock water productivity in a water stressed environment in Northern Ethiopia	85
Deneke, T. T., Mapedza, E. and Amede, T. Institutional implications of governance of local common pool resources on livestock water productivity in Ethiopia	99
Hailelassie, A., Blümmel, M., Clement, F., Descheemaeker, K., Amede, T. Samireddypalle, A., Acharya, N. S., Radha, A. V., Ishaq, S., Samad, M., Murty, M. V. R. and Khan, M. A. Assessment of the livestock-feed and water nexus across a mixed crop-livestock system's intensification gradient: an example from the Indo-Ganga Basin	113
Clement, F., Hailelassie, A., Ishaq, S., Blümmel, M., Murty, M. V. R., Samad, M., Dey, S., Das, H. and Khan, M. A. Enhancing water productivity for poverty alleviation: role of capitals and institutions in the Ganga Basin	133
Sibanda, A., Tui, S. H.-K., Van Rooyen, A., Dimes, J., Nkomboni, D. and Sisito, G. Understanding community perceptions of land use changes in the rangelands, Zimbabwe	153
Senda, T. S., Peden, D., Tui, S. H.-K., Sisito, G., Van Rooyen, A. F. and Sikosana, J. L. N. Gendered livelihood implications for improvements of livestock water productivity in Zimbabwe	169