



UPSCALING LOWCOST DROUGHT TOLERANT FODDER CROPS

BOTSWANA

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Semi-aridity; Necessitated Adaptation and subsequently Mitigation over the years

- Botswana is semi arid
 - Frequent droughts
 - High rainfall variability
 - Heat waves

Adapting to Drought: A rehearsal for Climate Change adaptation



Lablab purpureus

- native to Africa
- drought tolerant
- used as a fodder legume
- restores soil fertility through nitrogen fixation,
- hence, reduce nitrogenous fertilizer applied

Lablab Production in Botswana

Cropping season	Area planted(Ha)	Production (Tons)
2008/09	151	562
2009/10	744	1488
2010/11	2128	1157
2011/12	3143	883
2012/13	4703	1724
2013/14	8157	19150
2014/15	7351	10215
2015/16	9835	19,199

Thanks to its capacity to fix atmospheric N₂ through biological fixation, lablab can reduce N fertilizer use, and possibly N₂O emissions

A WIN-WIN SOLUTION
FOR CLIMATE CHANGE ADAPTATION
AND MITIGATION



Thank you

