



Out scaling climate smart Agriculture technologies in Malawi, Zambia and Zimbabwe

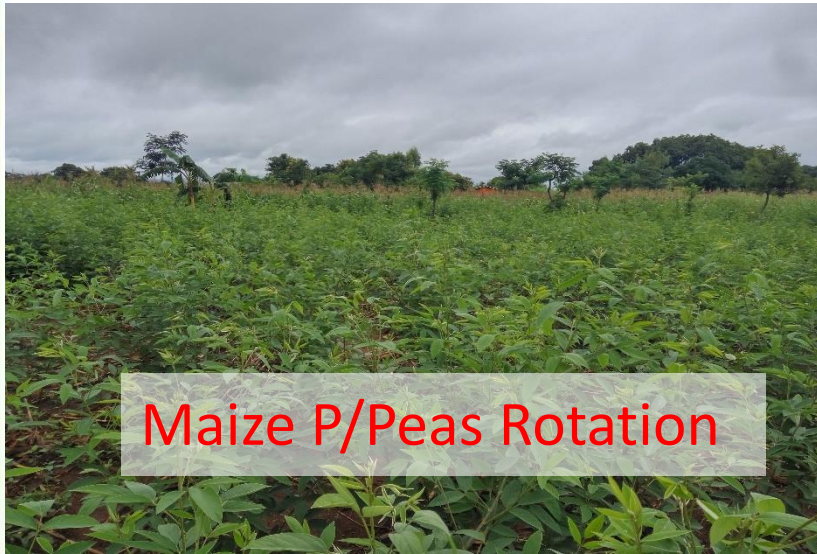
Piloting CSA technologies



Project sites

No	Country	District	Site	Latitude	Longitude	Altitude
1	Malawi	Zomba	Songani	-15.336	35.391	791
2	Malawi	Machinga	Matandika	-15.167	35.257	676
3	Malawi	Balaka	Lemu	-14.785	35.019	681
4	Malawi	Balaka	Herbert	-14.886	35.036	644
5	Malawi	Balaka	Malula	-14.961	34.999	622
6	Malawi	Salima	Chinguluwe	-13.697	34.226	682
7	Malawi	Dowa	Chipeni	-13.763	34.053	1170
8	Malawi	Nkhotakota	Mwansambo	-13.29	34.132	624
9	Malawi	Nkhotakota	Zidyana	-13.233	34.231	542
10	Malawi	Nkhotakota	Linga	-12.757	34.200	493
11	Zambia	Chipata	Kapara	-13.301	32.293	728
12	Zambia	Chipata	Mtaya	-13.344	32.312	767
13	Zambia	Chipata	Chanje	-13.234	32.479	882
14	Zambia	Sinda	Kawalala	-14.095	31.489	941
15	Zambia	Lundazi	Hoya	-12.071	33.08	1077
16	Zambia	Lundazi	Vuu	-12.161	33.026	1075
17	Zambia	Monze	Malende	-16.237	27.423	1098
18	Zimbabwe	Zaka	Zishiri	-20.168	31.281	1042
19	Zimbabwe	Zaka	Bvukururu	-20.175	31.380	1000

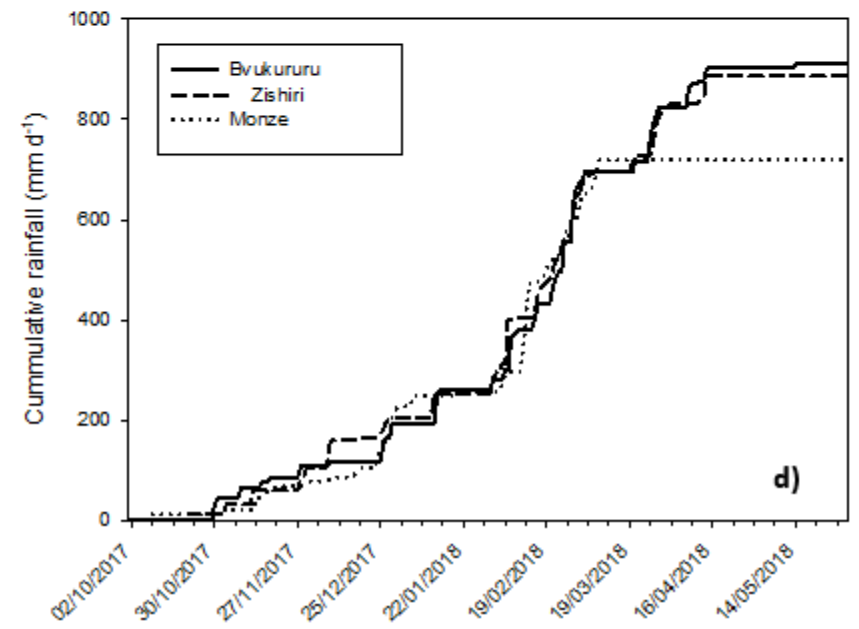
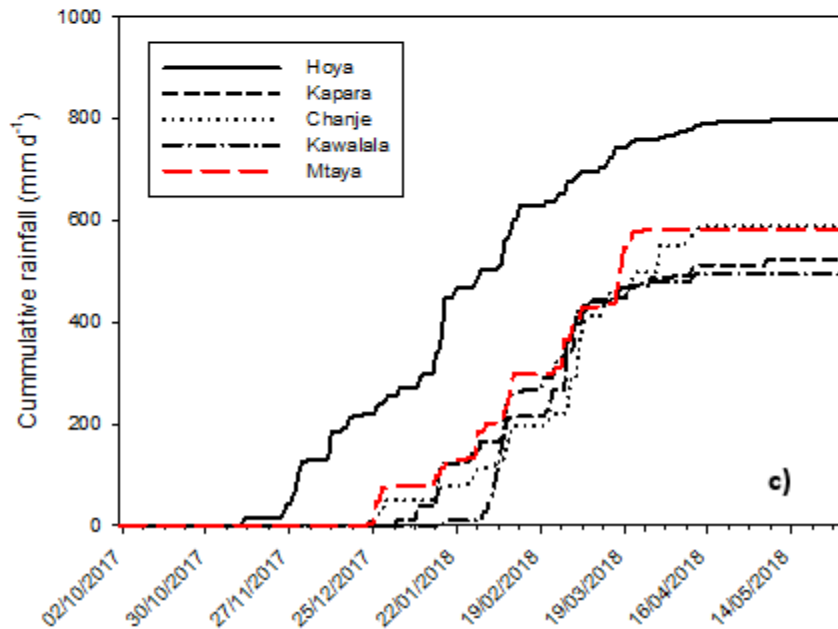
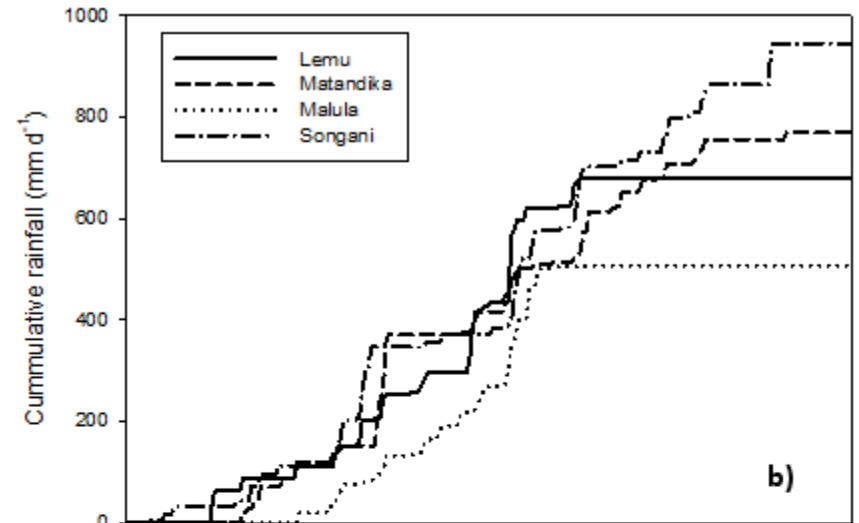
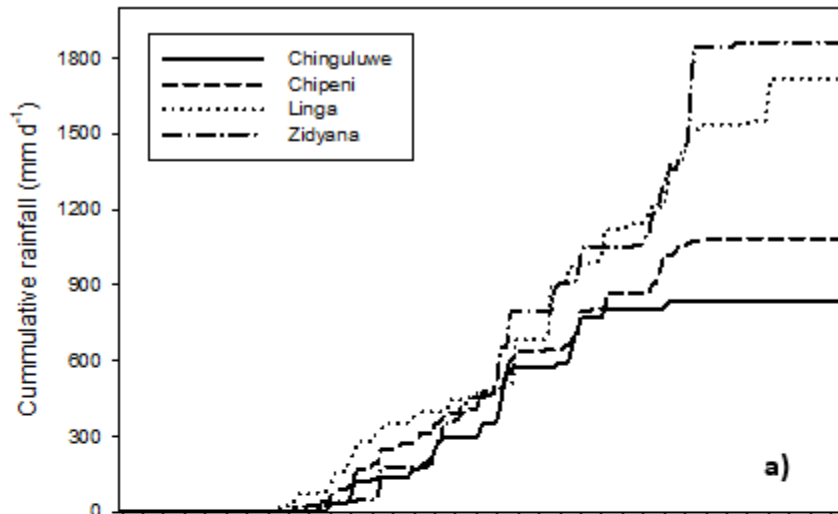
What has been promoted so far



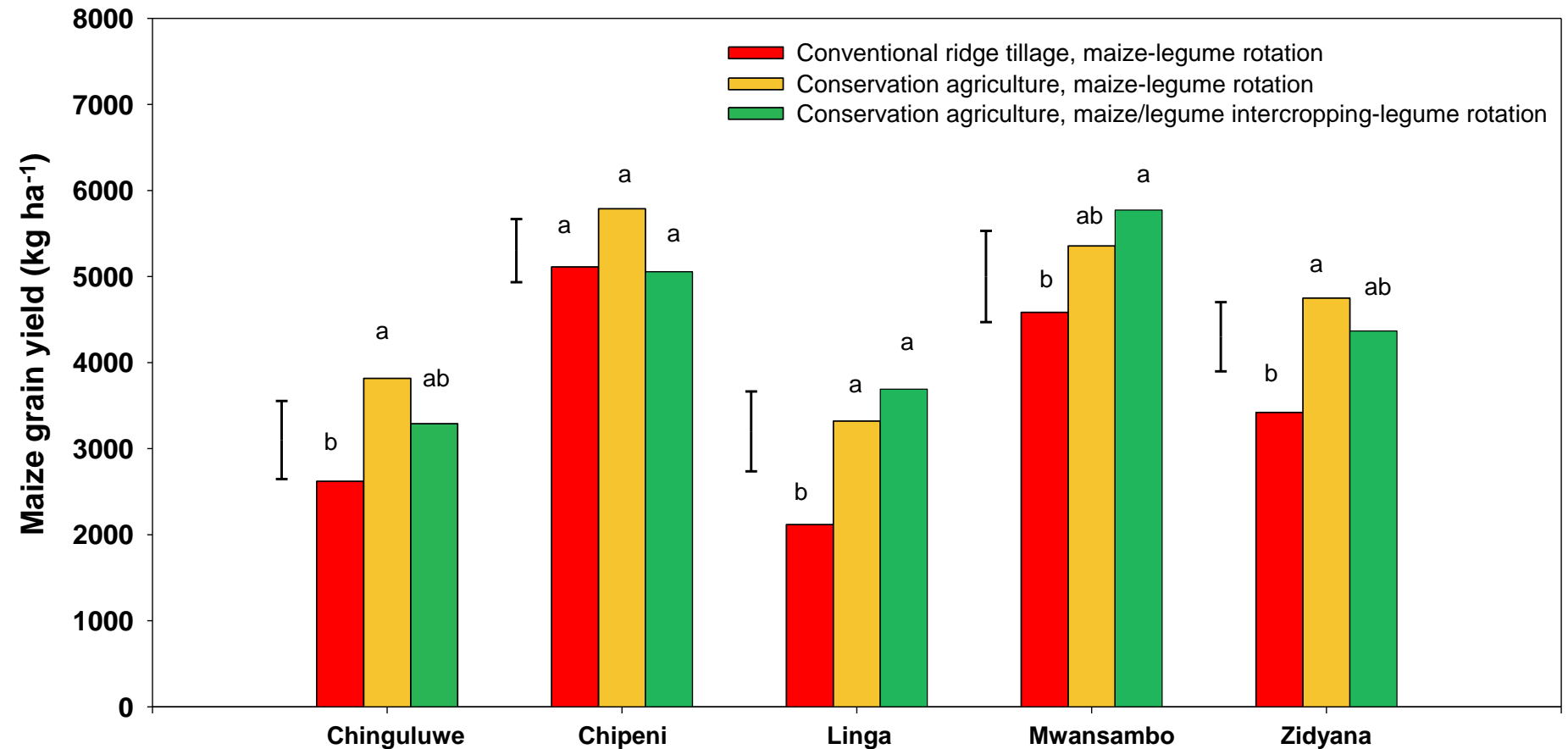
Piloted new CSA technology: Doubled-up legume system



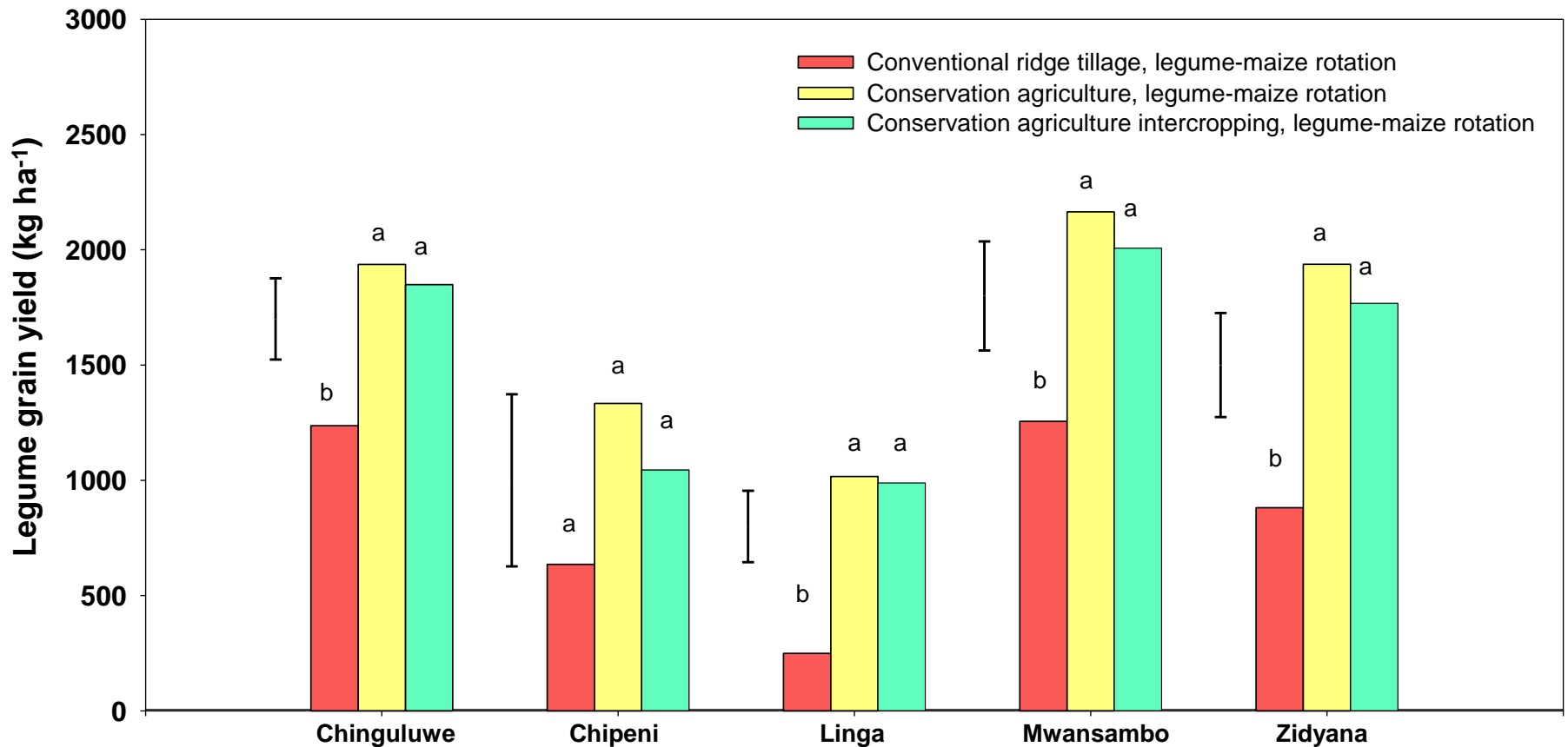
Rainfall in cropping season 2017/2018



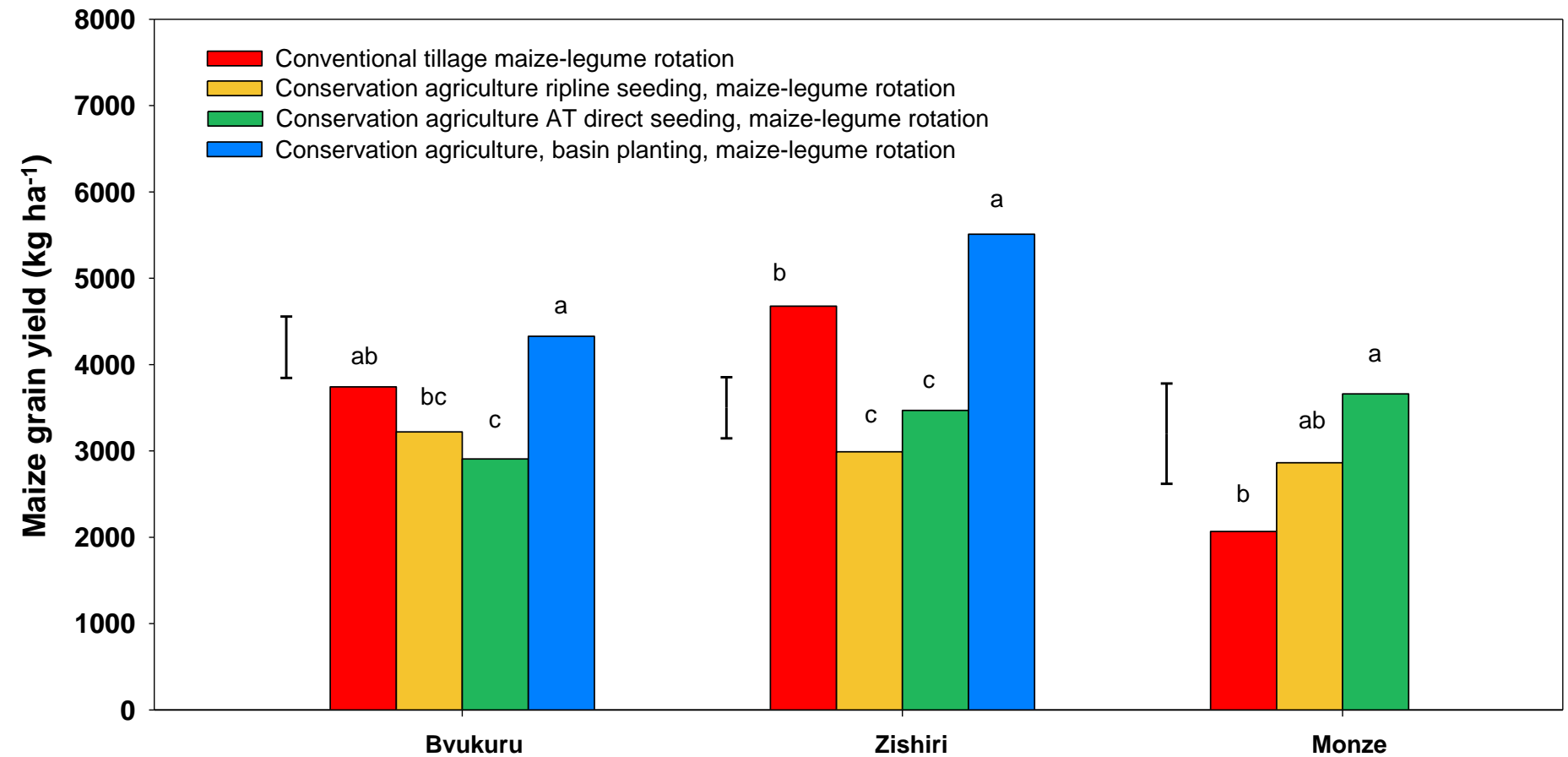
Central Malawi sites, maize yields, 2017/2018



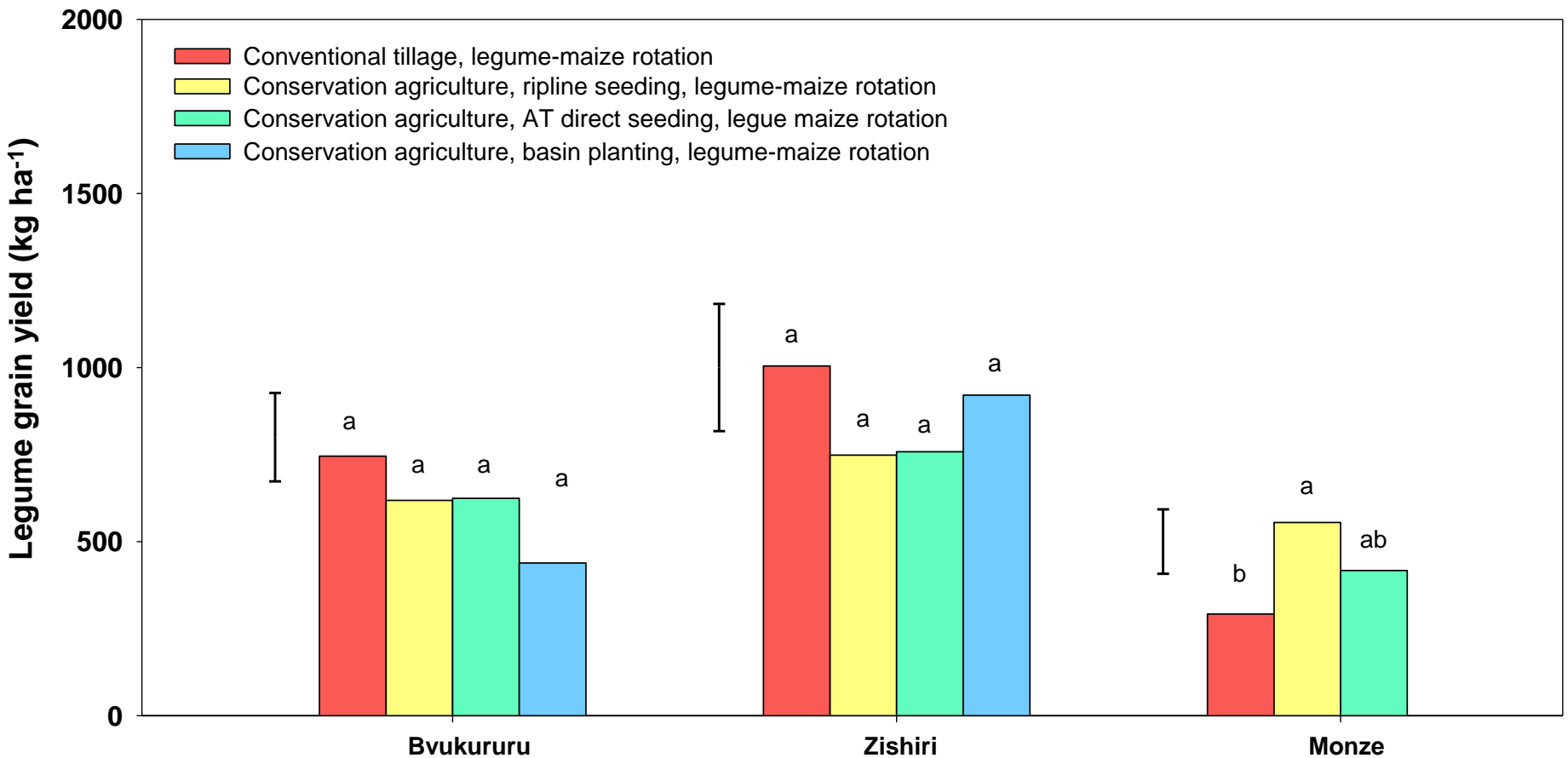
Central Malawi sites, groundnut yields, 2017/2018



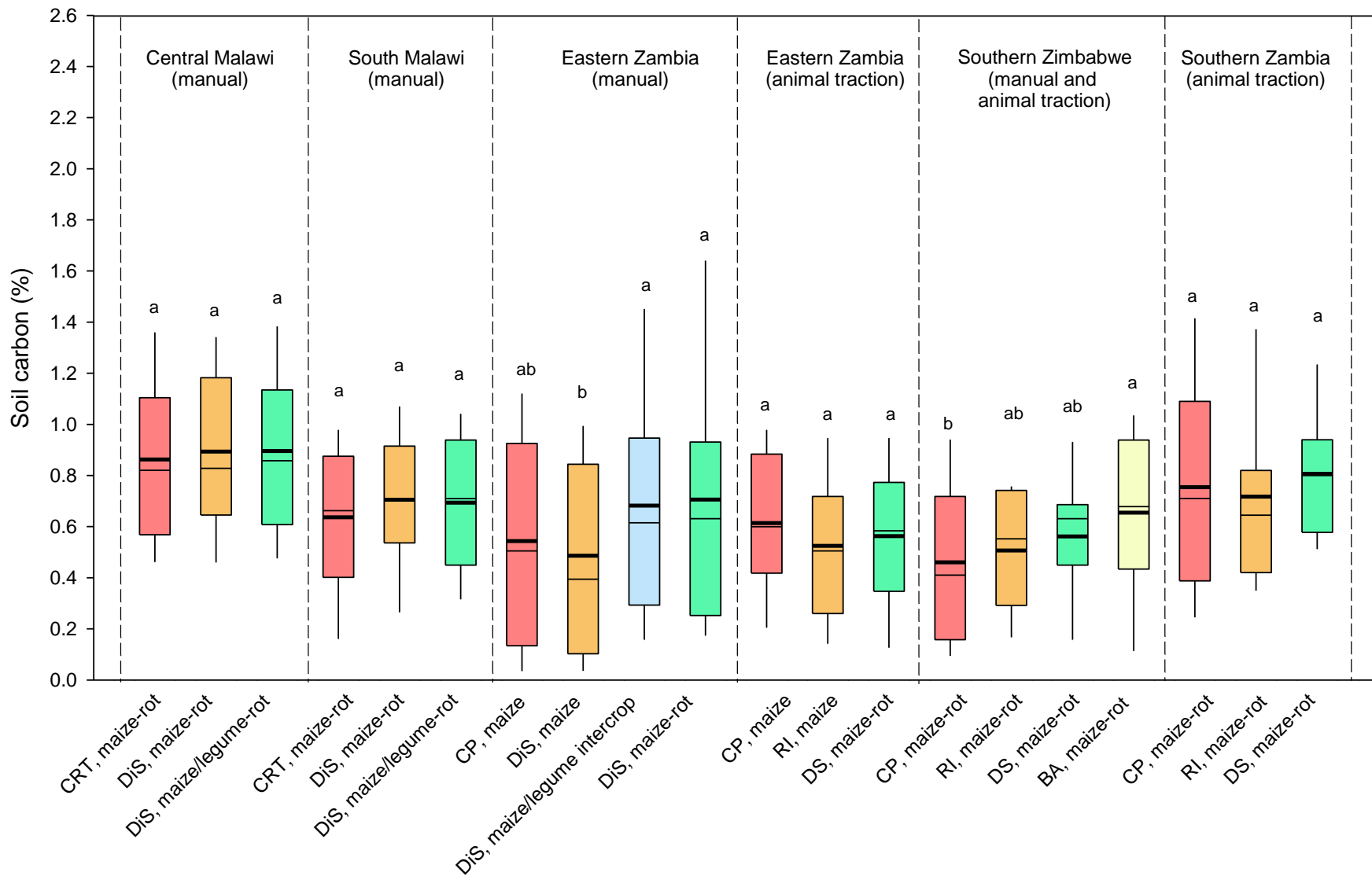
Southern Zimbabwe/Zambia sites, maize yields, 2017/2018



Southern Zimbabwe/Zambia sites, cowpea yields, 2017/2018



Soil carbon measurements 2017/2018



Conclusion

- Generally CA treatments outperformed the conventional practice
- In some sites those yield difference were not significant
- Groundnut yields generally favourable to CSA in 2017/2018 – cowpea yields more variable
- Soil carbon: only in two agro-ecologies there was a significant carbon benefit
- Need for a strong diversification component to increase soil carbon (Powlson et al. 2016)
- More results are available in the Pilot Report

Thank you for your interest!

