

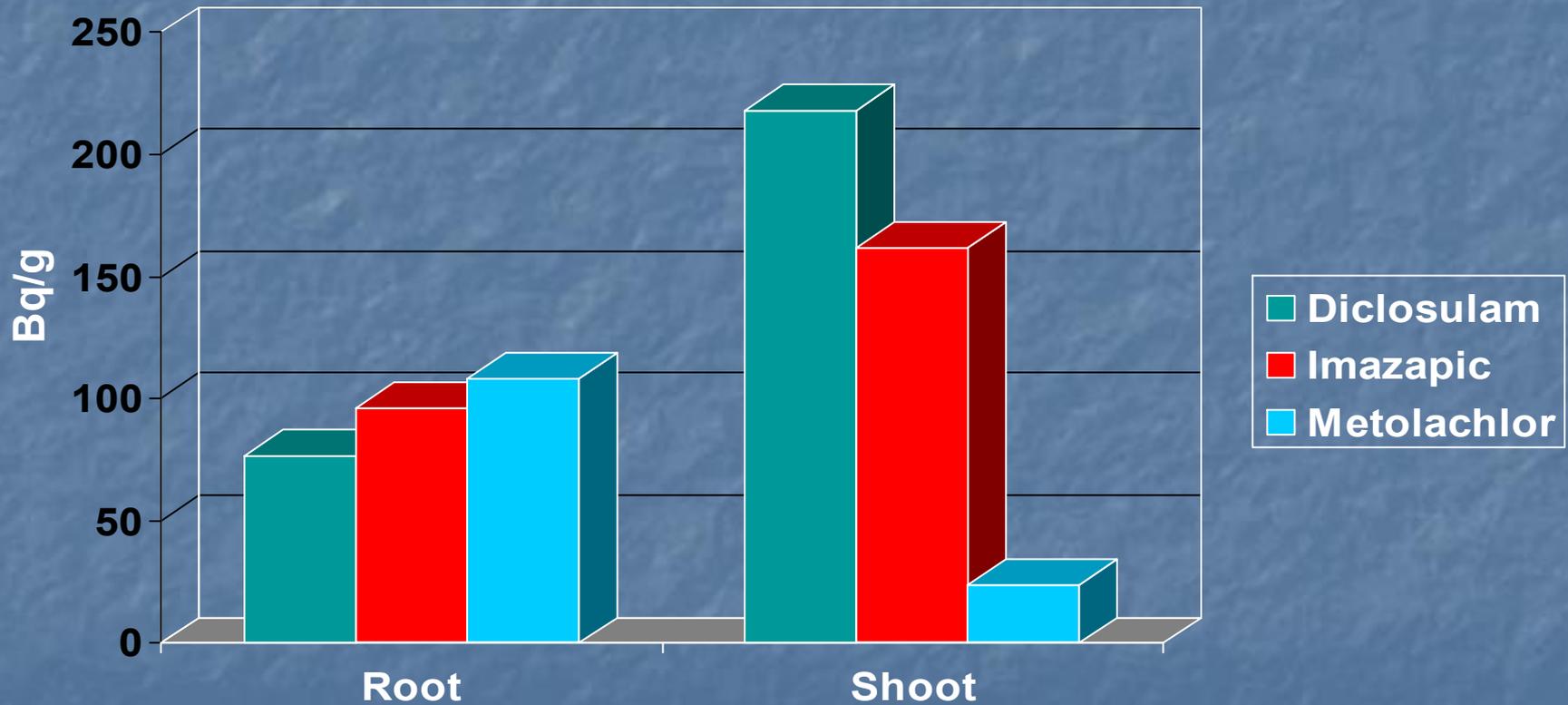
Herbicide absorption and
translocation in *Commelina
benghalensis*

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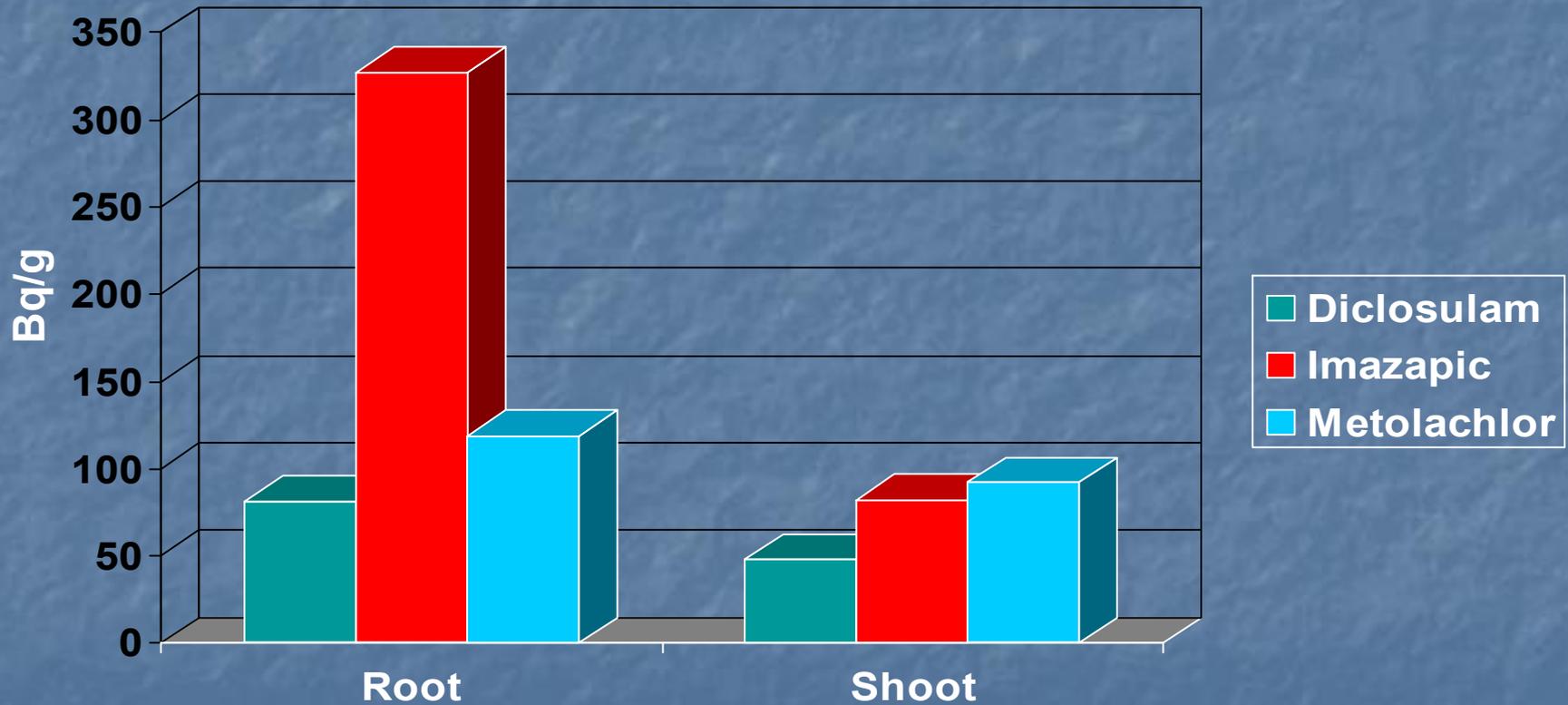
Herbicidal Response

- Herbicide translocation
 - Cuttings placed in split cups close to edge
 - Watered daily for three weeks
 - Three parts treated: shoot, root, underground flower
 - After 48 hours, plants divided into above and belowground parts
 - Plants were dried, ground into powder and oxidized
 - Liquid scintillation spectrometer

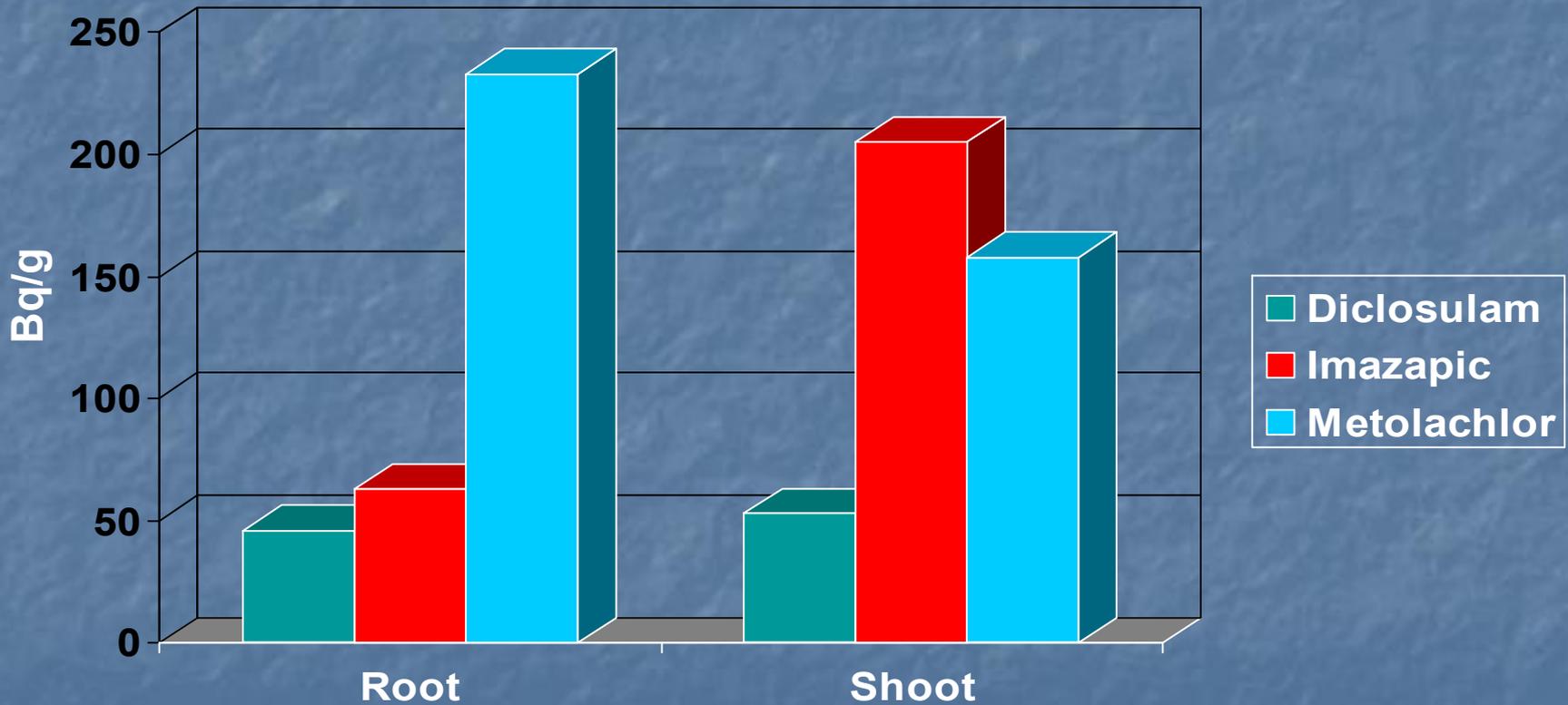
Shoot treated with herbicide



Root treated with herbicide



Underground flower treated with herbicide



Summary

- Diclosulam – remained in the shoot
- S-metolachlor translocated from shoots to roots more than roots to other parts of plant
- Imazapic – translocated through out the plant

Herbicidal Response

Metolachlor field

