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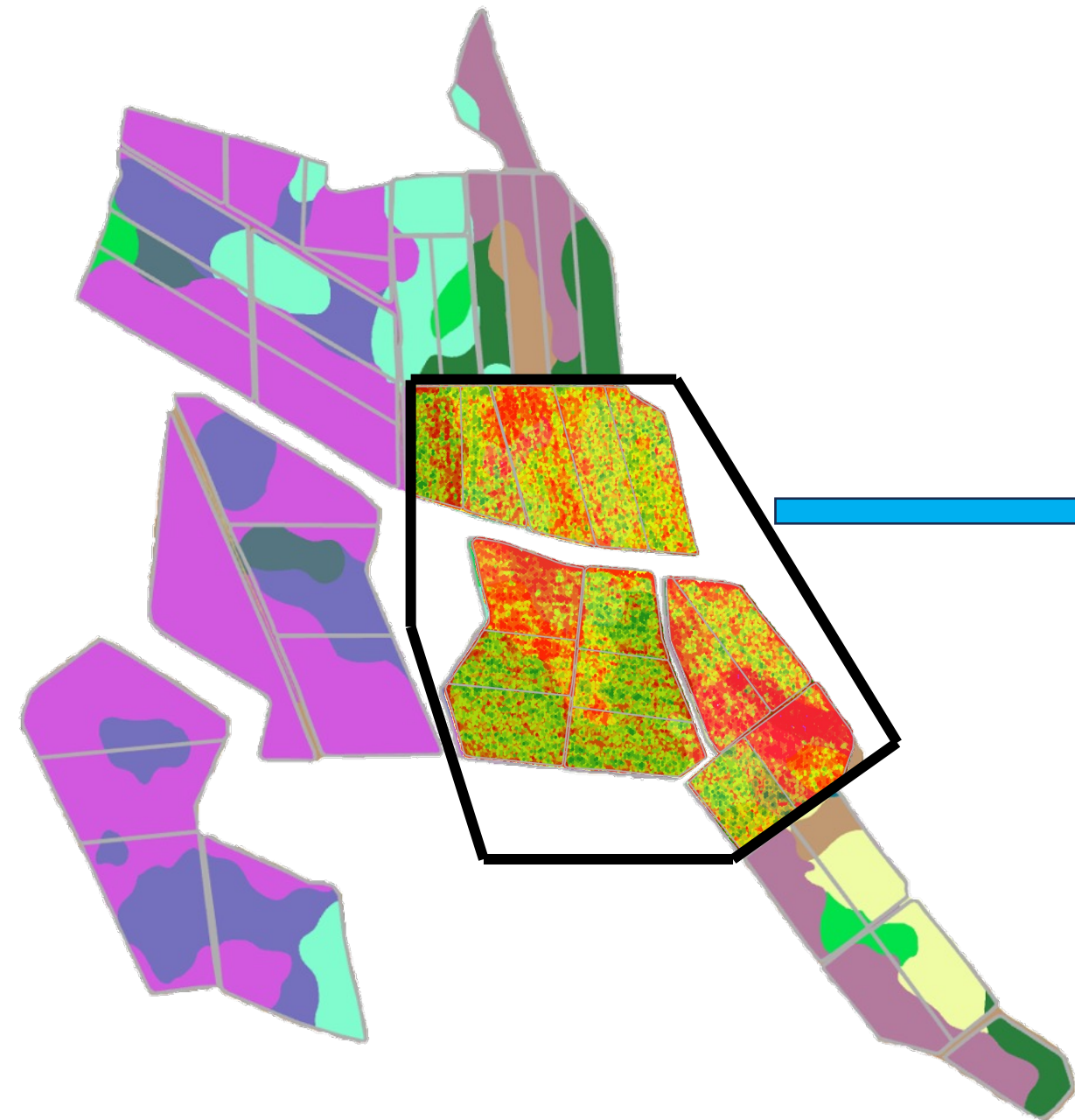
**Discussing the relationship
between soil physical properties
and the yield potential of table
grapes: commercial results from
South Africa**

Marnus Ferreira



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Impact Of Soils On Vine Growth, Health & Production



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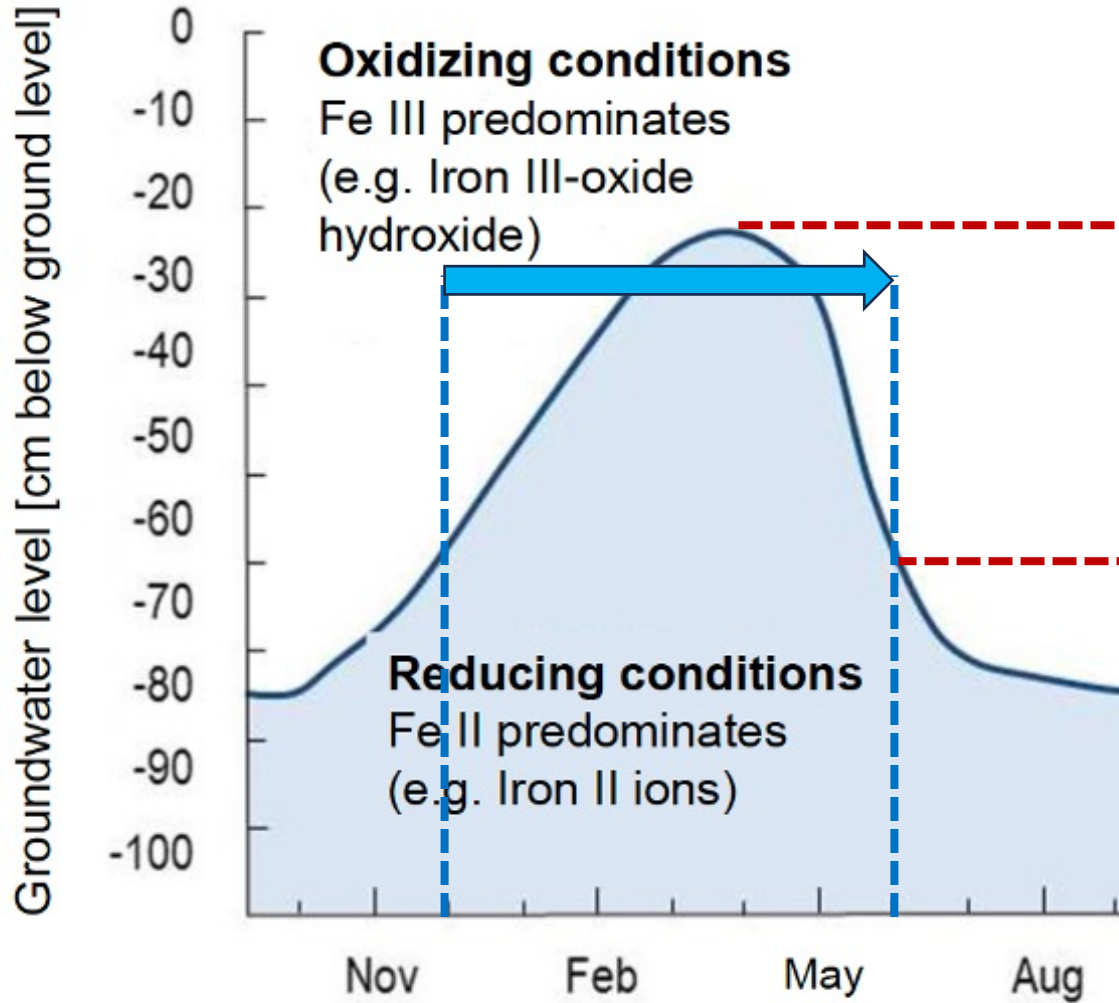


Degree of Soil Saturation - Explained



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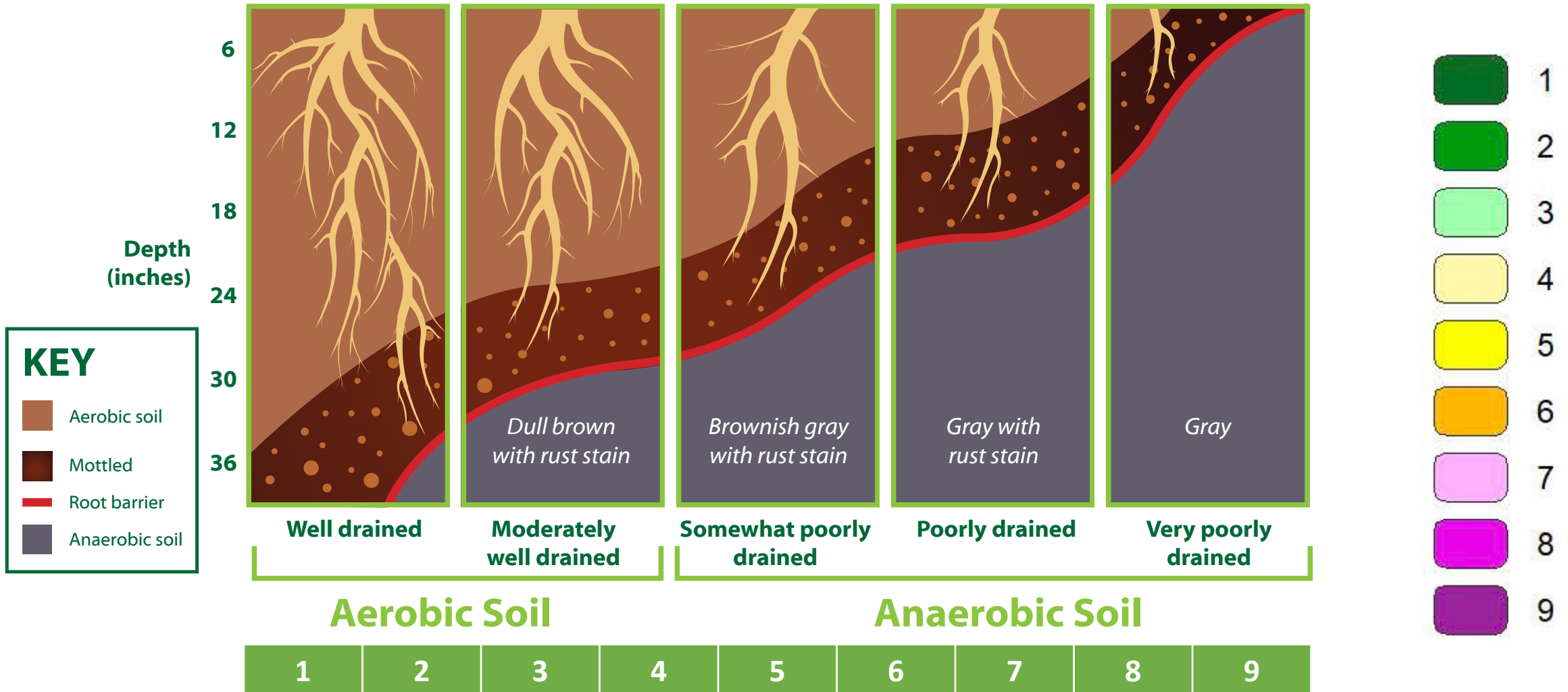
Modified from Bubaum

Degree of Soil Saturation – Impact on Roots



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Impact Of Soils On Vine Growth, Health & Production



High



Low

Impact Of Soils On Vine Growth, Health & Production



High



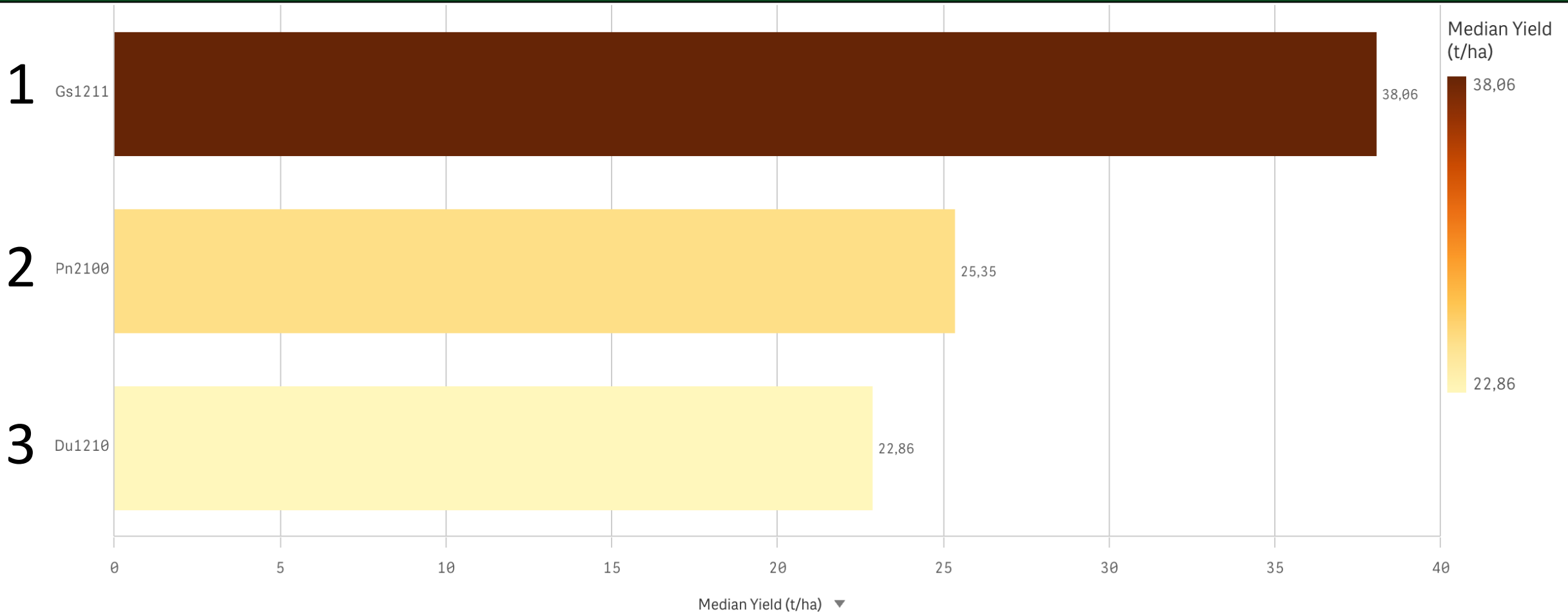
Low

Yield per Soil Type - 3 Main Soil types



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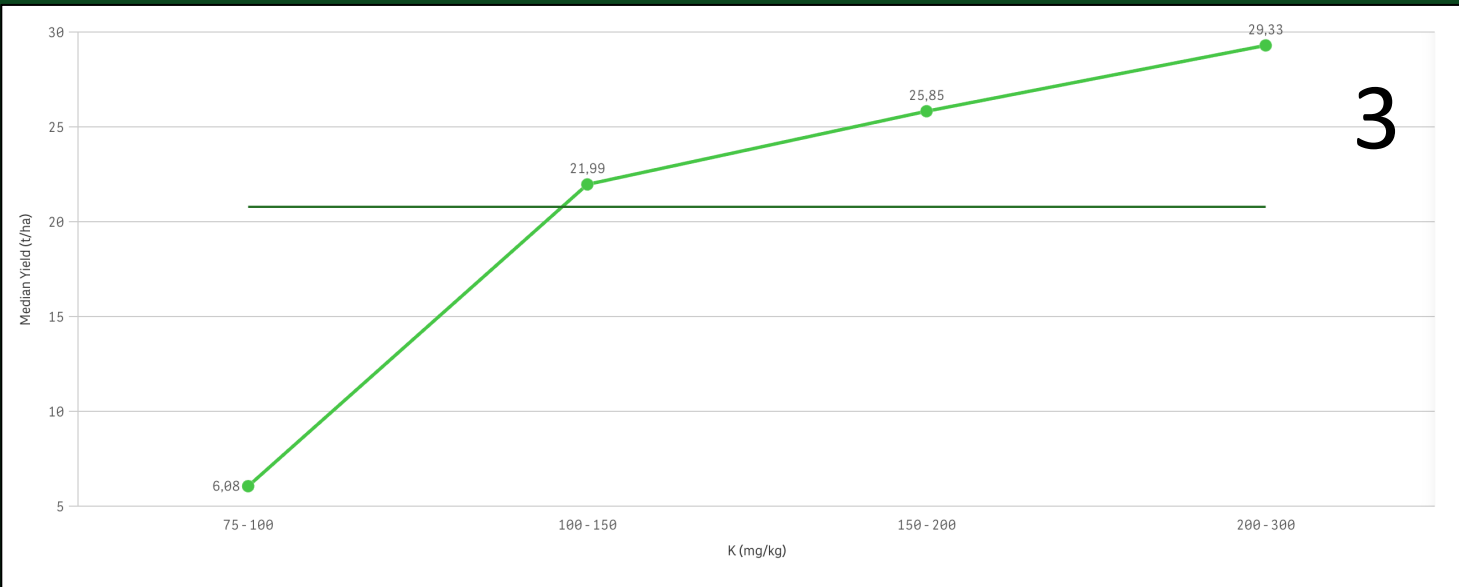
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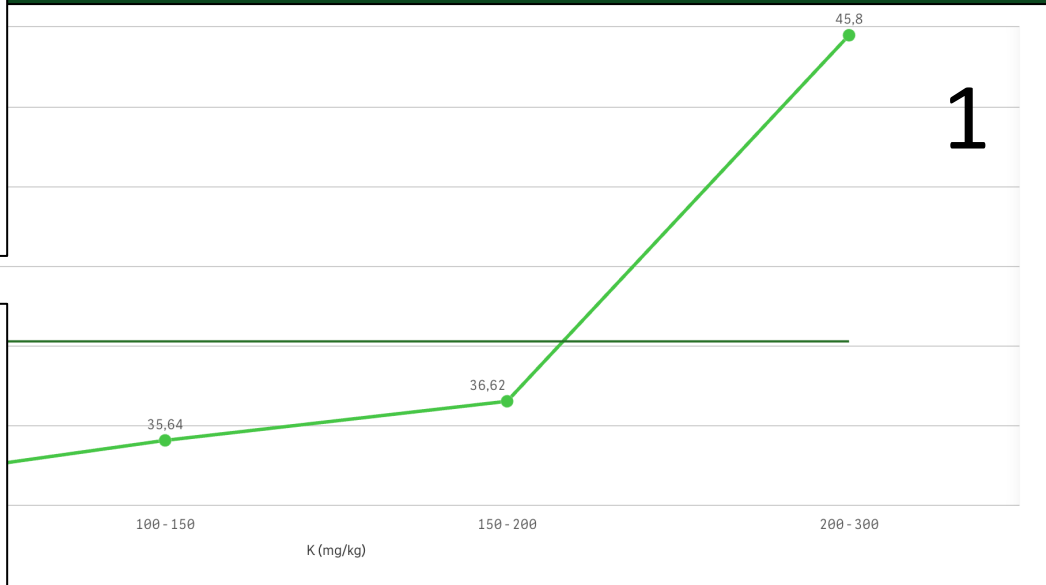
Yield per Soil Type vs. K (ppm)



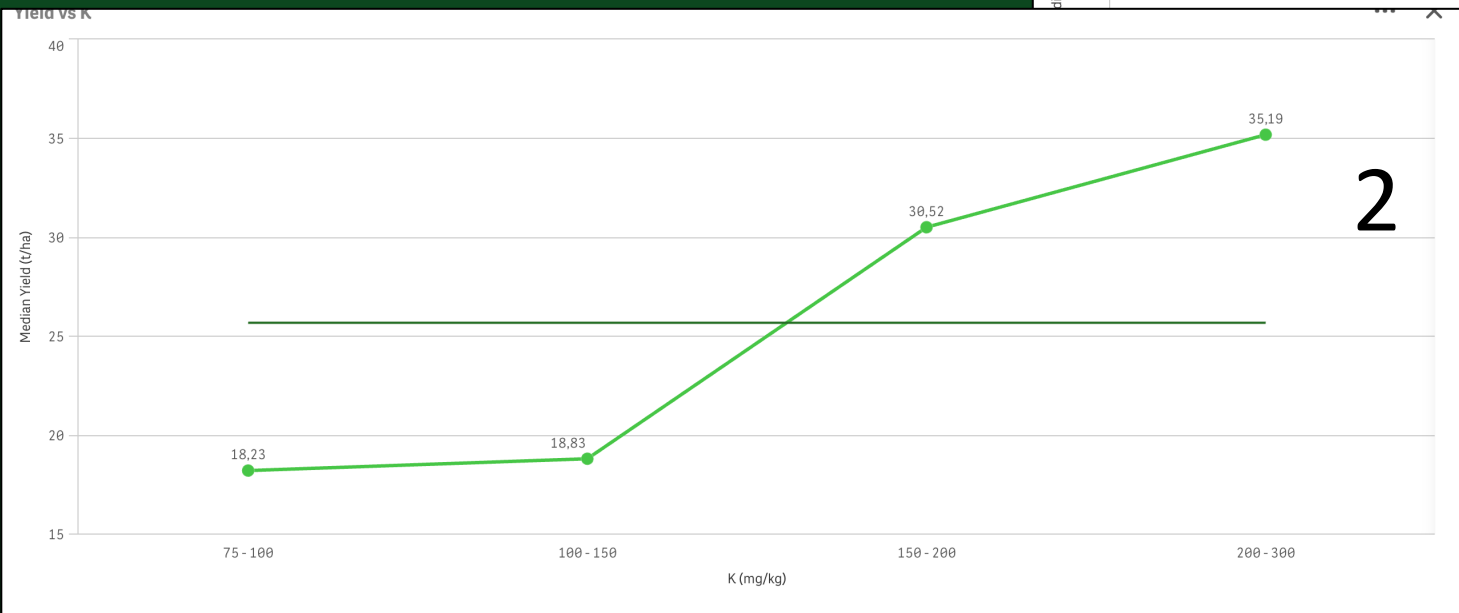
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3

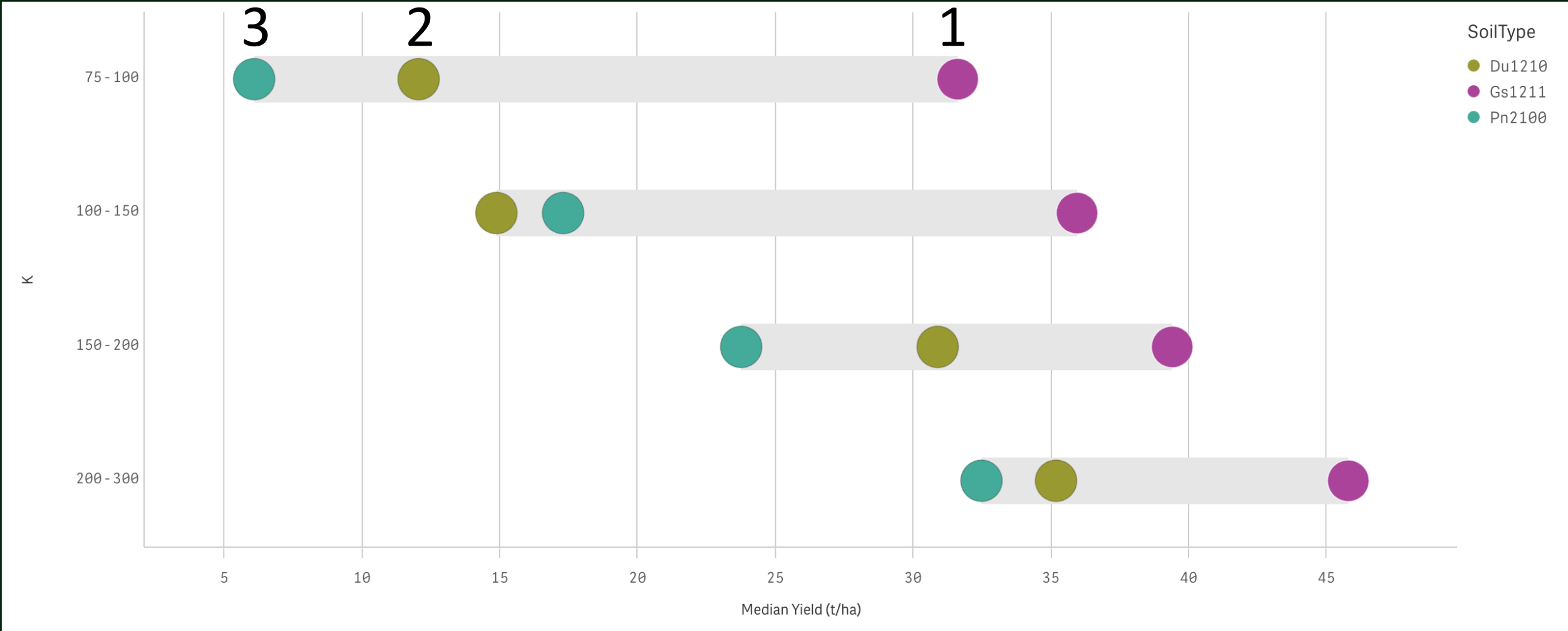


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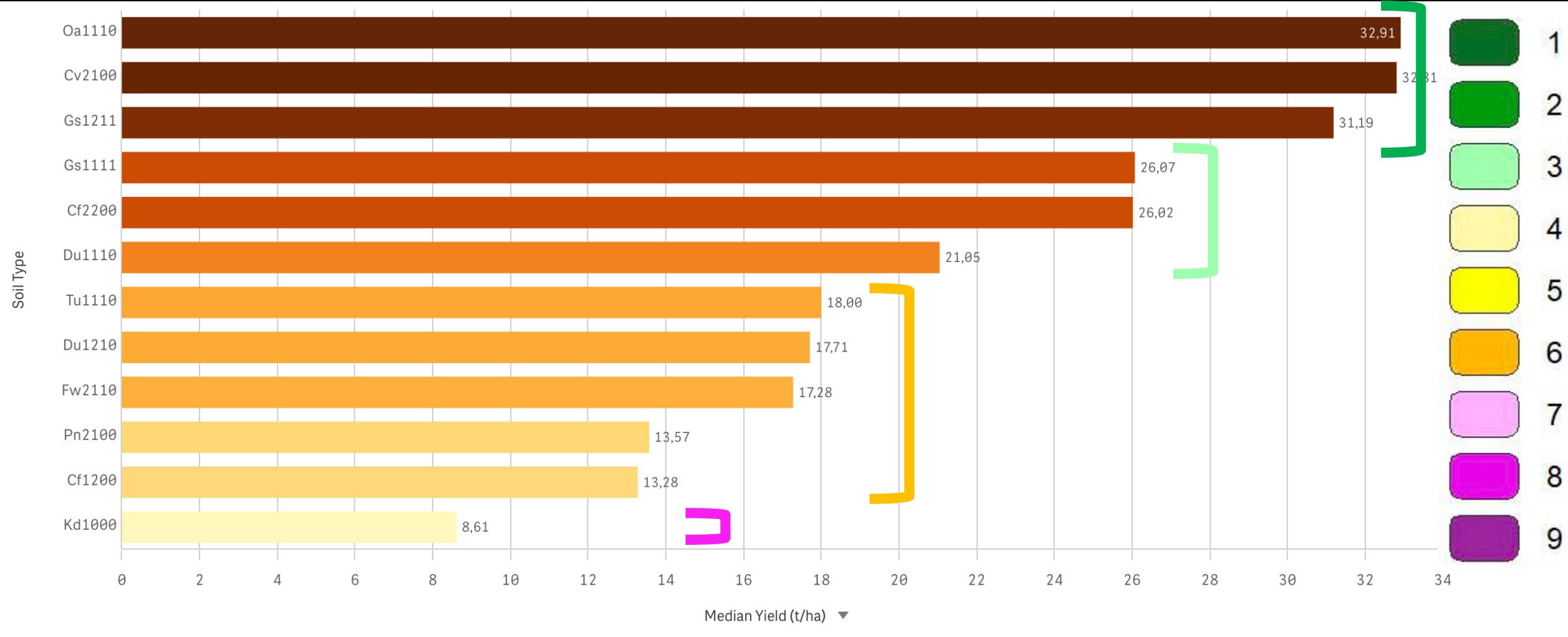


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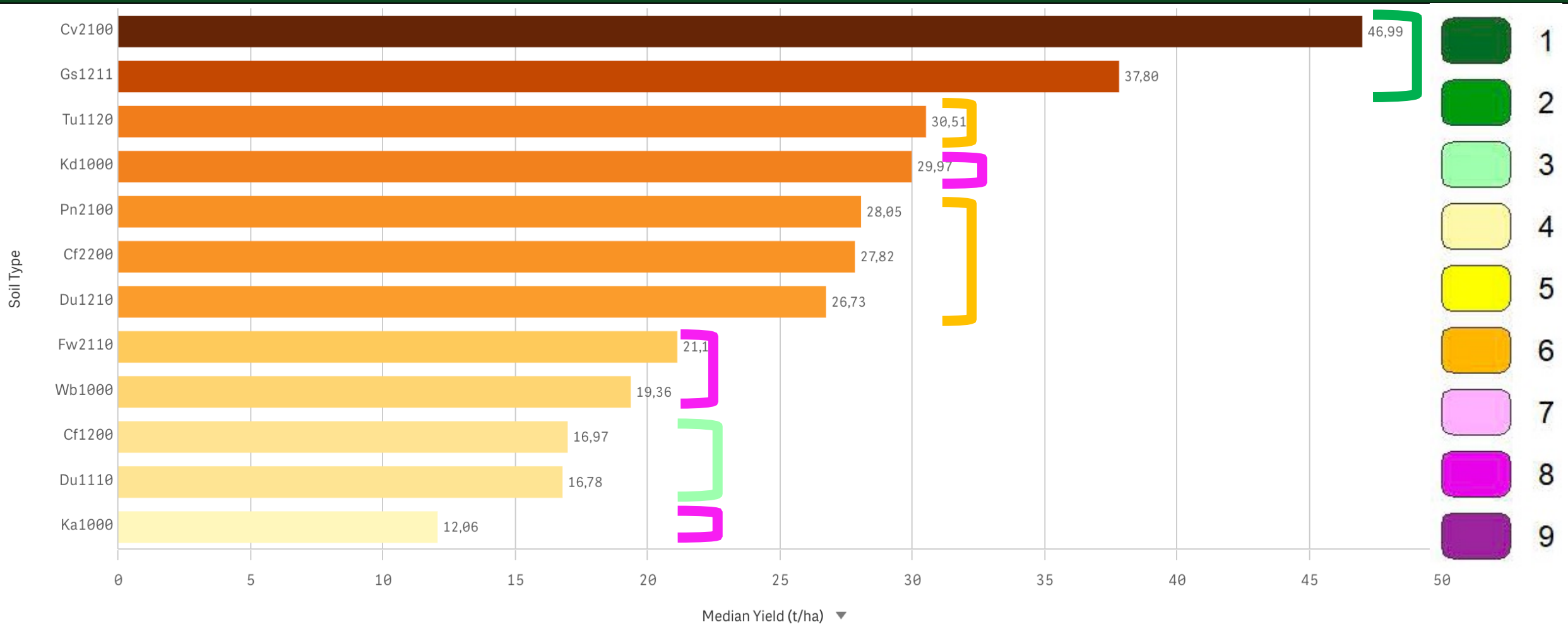
Yield per Soil Type vs. K (ppm)



Crimson Seedless on 110R Production vs. Soil Type (t/ha)



Ramsey Rootstock Production vs. Soil Type (t/ha)

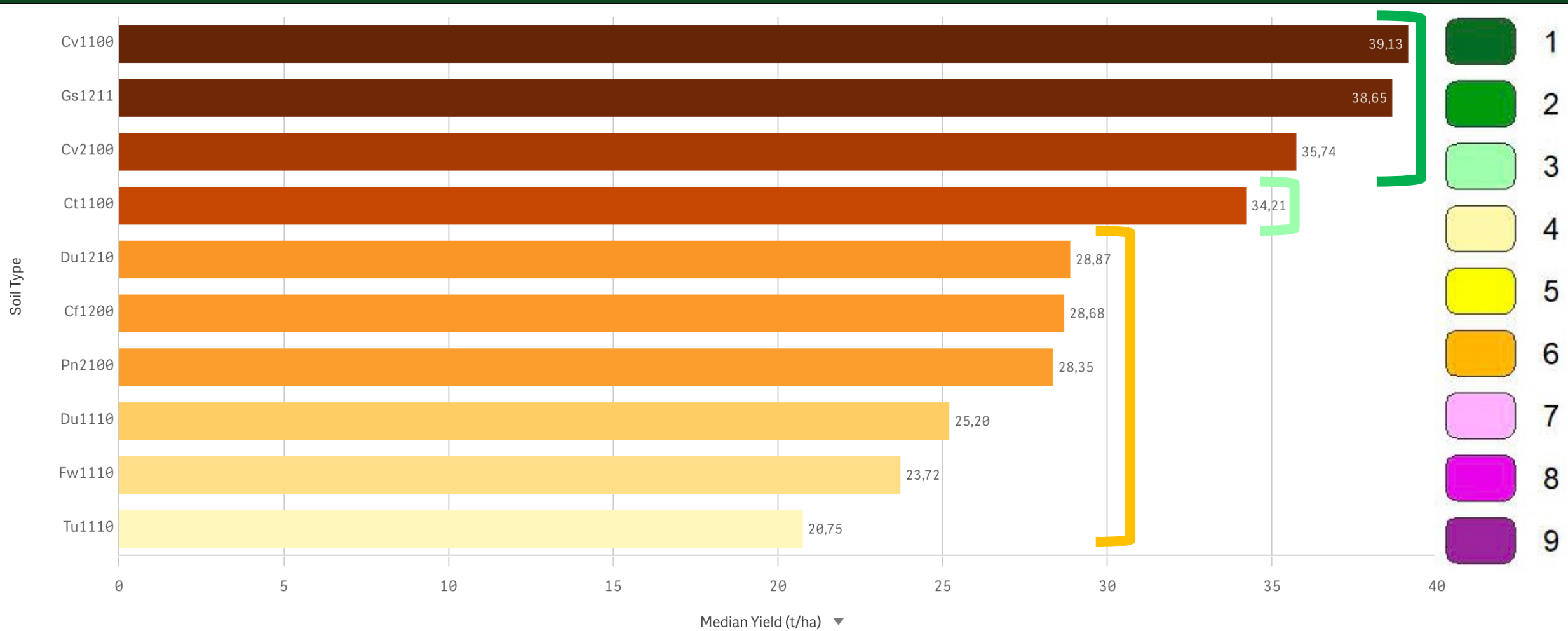


US 8-7 Rootstock Production vs. Soil Type (t/ha)



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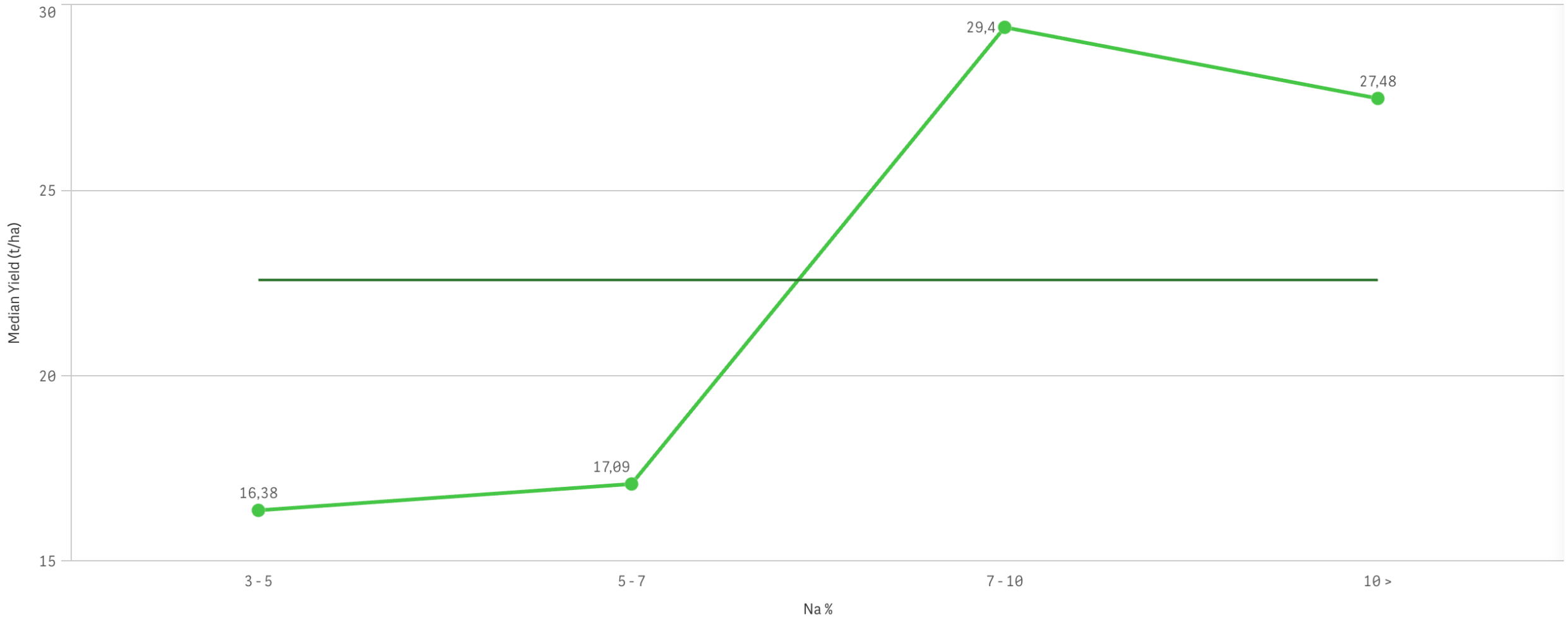


Ramsey Rootstock Production vs. Na% (base saturation)



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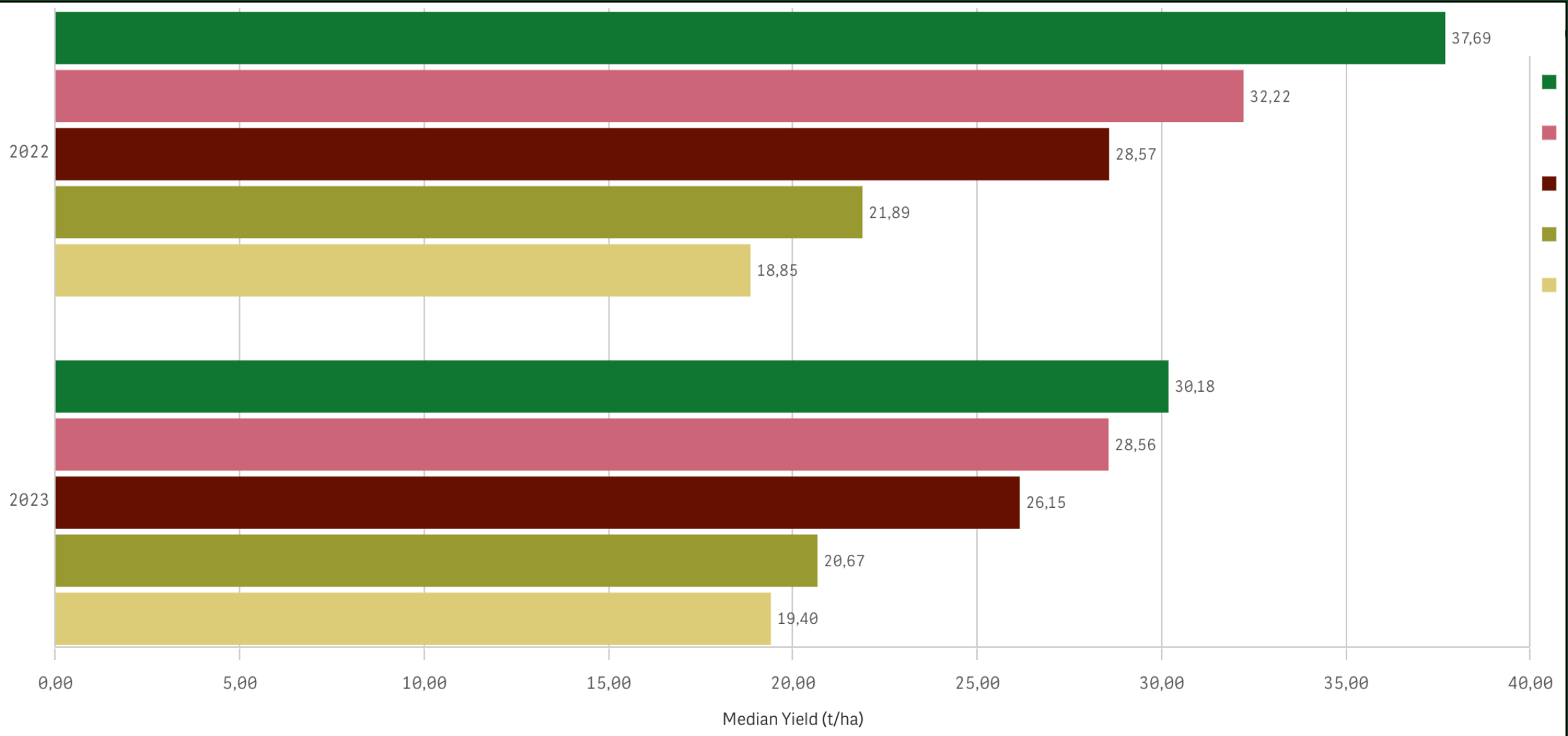
Yield per Soil Type vs. Cultivar and Rootstock (2 years)



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Crimson Seedless on 110R

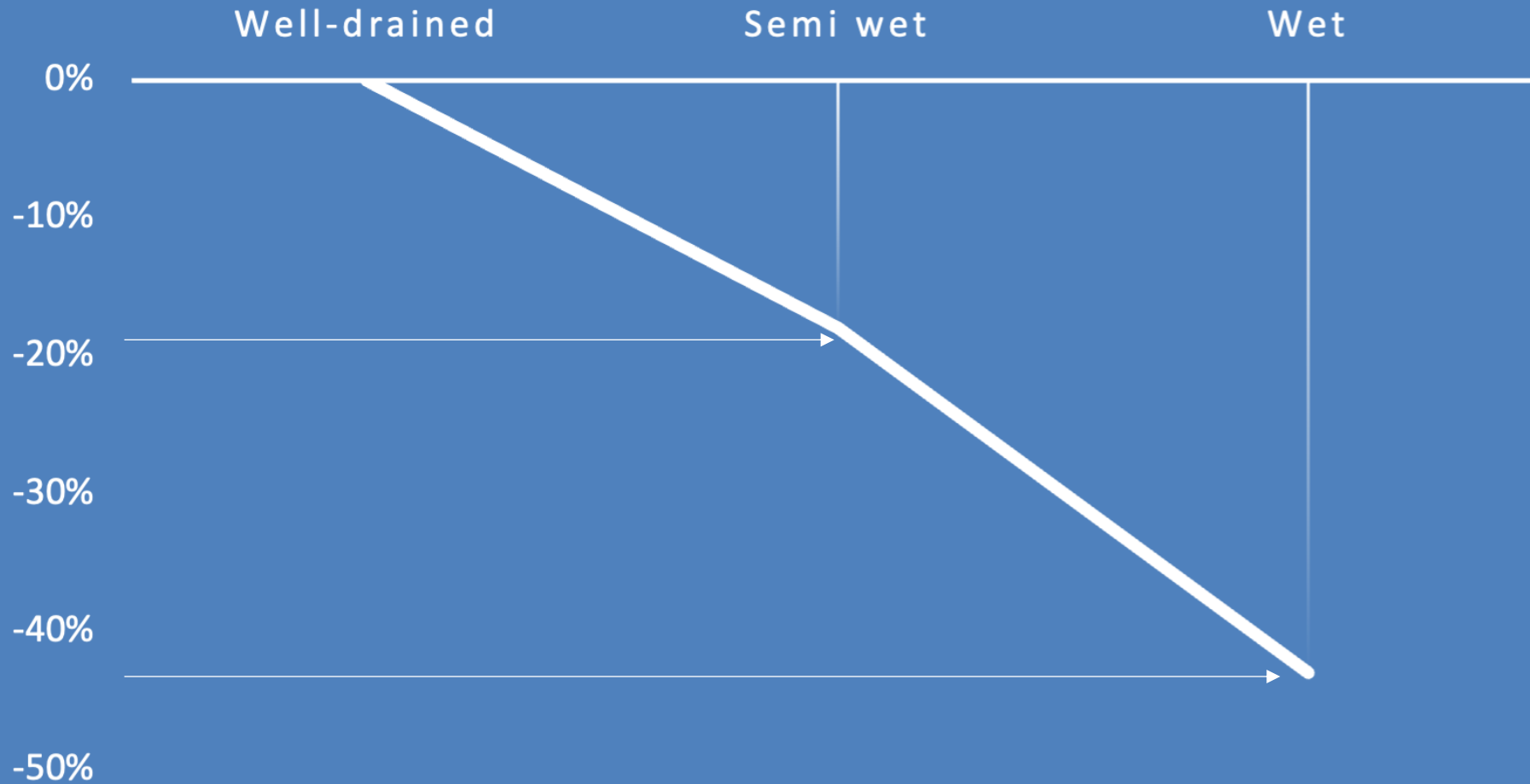


Impact of Poor Drainage on Yield



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% YIELD LOSS DUE TO POOR DRAINAGE



Proportion of soils (%)

Well-drained	Semi wet	Wet
33%	47%	20%



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**THANK YOU
MUCHAS GRACIAS
DANKIE**