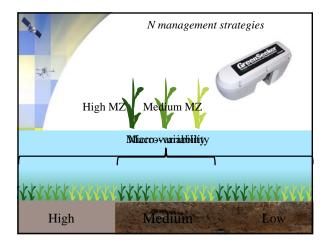
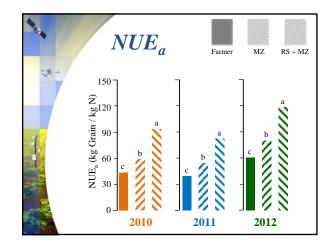


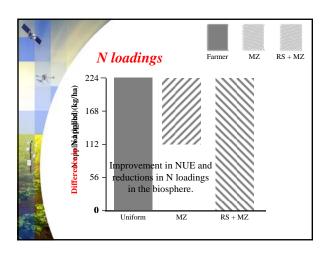


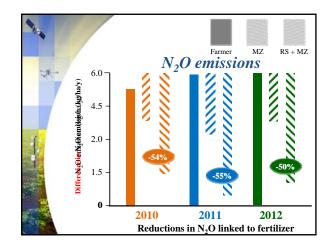


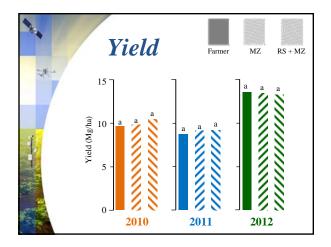
No.	1. Ve	ariable-rate N management
	Problem:	N deficiencies cause yield loss and pollutes the biosphere.
	Approach:	Use PA techniques to increase N use efficiency.
	Results:	Increasing the precision in N management increases NUE and reduces GHG emissions.
	Funding:	FRQNT and Fluid Fertilizer Foundations













And a		2. Precision irrigation
1- 2-	Problem:	In the US western states, water scarcity is becoming a major issue and farmers are looking for techniques to improve the amount of crop per drop.
	Approach:	To study spatial and temporal variability of soil water content to develop adapted startegies.
Ren.	Results:	SWC varies in space, time and depth.
and the second sec	Funding:	Valley Irrigation, 21st Century Eq. and CO Corn Board

