



















FIG	"From the wisdom of the a to the challenges of mod	ages ern world"				
Vegetation Indices						
	Vegetation Index	Equation				
	NDVI	$NDVI = (R_{band5} - R_{band3})/(R_{band5} + R_{band3})$				
	GNDVI	$GNDVI = (R_{band5} - R_{band2})/(R_{band5} + R_{band2})$				
	NDRE	$NDRE = (R_{band5} - R_{band4}) / (R_{band5} + R_{band4})$				
 Normalized Difference Vegetation Index (NDVI) Green Normalized Difference Vegetation Index (GNDVI) Normalized Difference Red Edge Index (NDRE) 						
The band numbers of 2,3,4,5 refer to green (520 – 590nm), red (630 – 685nm), rededge (690 – 730nm) and near-infrared (760 – 850nm), respectively						
FIG	CHAMBER OF GRADUATED SURVEYORS	Platinum Sponsors:				

FIG ************************************								
Image Classification								
	ROI Name	Color	Pixels					
	1st_crop_com	Red3	363					
Maximum Likelihood	2nd crop corn	Red	558					
and	well_cotton	Yellow	391					
Support Vector Machines	moderate_cotton	Yellow3	462	aining Data				
	week_cotton	Green1	348					
	wet soil	Purple	319	The summer of				
	moist soil	Aquamarine	355					
_	dry soil	Chartreuse	627	N SON				
NOW AVAILABLE	water surface	Blue	218					
ENVIS THE NEXT GENERATION OF IMAGE ANALYSIS.				In-situ data collection				
			Platinum Spon	ble @esri				



FIG FIG TFrom the wisdom of the ages to the challenges of modern wor	FIG WORKI 17–21 MAY SOF	FIG WORKING WEEK					
Accuracy Assessment							
Analysis	Overall Accuracy (%)	Kappa coefficient					
MLC_5 (5 spectral band)	80,21	0,77					
MLC_8 (5 band+ 3 vegetation indices)	73,38	0,70					
SVM_5 (5 spectral band)	83,96	0,82					
SVM_8 (5 band+ 3 vegetation indices)	86,01	0,84					
FIG CHAMBER OF GRADUATED SURVEYORS	Platinur I	n Sponsors: rimble. @esri					













