

Ground-truth data form for Remote Sensing Analysis

LOCATION PARAMETERS			LULC PARAMETERS			CROP PARAMETERS (fractions in 90m × 90m or 250m × 250m sample size)									
1. Plot No.			6.0 Land Use/Cover Type	% Cover (5% interval)	7.0 Farm Lands	Canopy (%)	Soil cover (%)	Water Cover (%)	Other land cover/use (%)	Height (cm)	Growth Stage*	Crop Health+	Pests & Diseases (Y/N)	Any other observations	
Geographic Coordinates (in Decimal Degree, WGS84)					6.1 Farm Land	7.1 Major crops									
Latitude	Longitude		6.1.1 Crop cover		-rice										
Location info (District, Village, Landmark):			6.1.2 Field cover		-wheat										
			6.1.3 Trees cover		-lentil										
Date (DMY):			6.1.4 Orchard cover		-chickpea										
Time (HM):			6.1.5 Roads/Other cover		-vegetables										
2. If it is Croplands			6.2 Natural Land												
			6.2.1 Grassland												
Date of Planting>			6.2.1 Rangeland		7.2 Other crops										
Date of Harvest>			6.2.2 Shrub land		-add new crops										
Planting Method			6.2.3 Woodland												
Direct Seeding	<input type="checkbox"/>		6.2.4 Forest												
Broadcasting	<input type="checkbox"/>		6.2.5 Planted Forest												
Transplanting	<input type="checkbox"/>		6.2.6 Water Body												
If it is irrigated			6.3 Soil Types/Textures												
Groundwater irrigation <input type="checkbox"/>			6.3.1 Rockiness												
Surface irrigation <input type="checkbox"/>			6.3.2 Sandy												
3. Estimated Area of LULC Field Size (Length and Width, in meter and Total Area in Ha):			6.3.3 Skeletal												
L: W: Area:			General Description of the Area (Physical environment): (ex: Irrigated-surface water(SW)-double crop (DC)-crop1-crop2-fallow-Larage scale (LS)												
< 1ha <input type="checkbox"/>	1-2 ha <input type="checkbox"/>		7.1 Soil surface sample:		7.1.1 Sample number		7.1.2 Soil Photo#								
2-3 ha <input type="checkbox"/>	3-4 ha <input type="checkbox"/>		8.1 Soil Moisture	Tick mark	8.1.1 Soil type/texture	8.1.2 Soil Erosion	9. Irrigation parameters								
4-5 ha <input type="checkbox"/>	>5 ha <input type="checkbox"/>		8.1 Flooded <input type="checkbox"/>		Clay <input type="checkbox"/>	High <input type="checkbox"/>	Sources of Irrigation: Canal- <input type="checkbox"/> ; Well- <input type="checkbox"/> ;					Intensity (no of times):			
Other <input type="checkbox"/>			8.2 Wet <input type="checkbox"/>		Loam <input type="checkbox"/>	Low <input type="checkbox"/>	Tubewell- <input type="checkbox"/> ; Any other <input type="checkbox"/>								
4. Crop Intensity			8.3 Moist <input type="checkbox"/>		Sandy <input type="checkbox"/>	Sandy <input type="checkbox"/>	11. Watering Type> Flood <input type="checkbox"/> furrow <input type="checkbox"/> sprinkler <input type="checkbox"/> drip <input type="checkbox"/> others <input type="checkbox"/>								
4.1 Single <input type="checkbox"/>			8.4 Dry <input type="checkbox"/>		Others <input type="checkbox"/>	Nil <input type="checkbox"/>	11.1 Surface water								
4.2 Double <input type="checkbox"/>			10. Cropping Pattern				Crop1		Crop2		Crop3				
4.3 Triple <input type="checkbox"/>			Previous Year			Current Year			11.2 Groundwater						
5. Topographic Position			Monsoon (Kharif)	Winter (Rabbi)	Summer (Zaid)	Monsoon (Kharif)	Winter (Rabbi)	Summer (Zaid)	Crop1		Crop2		Crop3		
			*Crop Growth Stages at the time of visit;						+Crop Health (Scale of 1-5)			11.3 Supplemental			
5.1 Upland <input type="checkbox"/>			1. Plowing, 2. Sowing, 3. Early Vegetation, 4. Mid Vegetation, 5. Peak Vegetation, 6. Flowering 7. Ripening			8. Harvesting			1 is Very Bad and 5 Very Healthy rest in between			11.4 Rainfed			
5.2 Medium Upland <input type="checkbox"/>									Crop1		Crop2		Crop3		
5.3 Medium Lowland <input type="checkbox"/>									11.5. Wetland/Submergence areas						
5.4 Lowland <input type="checkbox"/>									Crop1		Crop2		Crop3		
5.5. Percent Slope: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100															
REMARKS															