

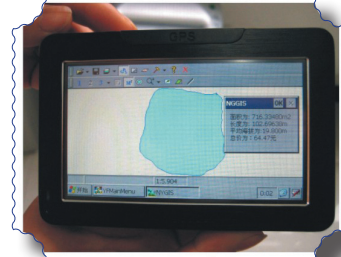
Center of Digital Agriculture and Rural Information, Zhejiang University



Agricultural pilotless aircraft

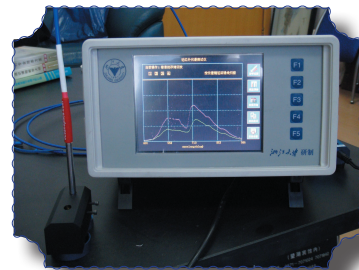


Plant canopy analyser



Multifunctional area tester

Center of Digital Agriculture and Rural Information in Zhejiang University focuses on digital agriculture, Internet of Things(IOT) applications in agriculture and rural information, and has directed over 60 related projects funded by 863 National High-Tech Research and Development Plan, National Support Projects Plan, National Natural Science Foundation Projects and Provincial Key Scientific Projects. It carried on early in China with research in digital agriculture and precision agricultural technologies and equipment, particularly taking the lead in fast acquisition of information of crop life, biological and abiotic stress perception and monitoring, soil nutrient information and physical and chemical index, IOT based plant-soil-environment information acquisition and intelligent fertilizer water irrigation. Moreover, research center has developed portable GPS area surveying and mapping device, multi-function area surveying device, soil nutrient tester, soil water content tester, plant's living leaf area measurement, plants canopy nutrient measurement tester, IOT based automatic plant-soil-environment information acquisition and wireless transmission and intelligent fertilizer water irrigation system, all of which are being widely used in all over China, and has achieved remarkable economical and social benefits. More than 400 related papers have been published, among which 100 are included in SCI databases, 300 are included in EI Compendex, besides the above, and over 30 innovation patents are achieved. As honors always come together with achievements, the research center has got second prize of National Progress Award in Science and Technology, 2 first prizes and 8 second prizes of Zhejiang Provincial Advances in Science and Technology, 1 first prize of National Teaching Achievement Award. Center director, Professor Yong he is the National Teaching Master and one of the National Key Talents, according to ESI statistics, (January, 2001 to November, 2011), Prof. He has been the top 1% Most Cited Scientists in global agricultural science and technology field.



Soil nutrient tester



Plant nutrient inspection van



3D phytomorph tester



Portable plant nutrient tester

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