Abstract

Present paper is an application study of intuitionistic fuzzy optimization technique in agricultural production planning problem particularly a case of smallholder farmer in north Bihar, India. Generally, the crop planning problem is formulated as linear programming problems. but in realistic situation there are many uncertain factors in agricultural production planning problems and hence future profits for crop are imprecise and uncertain values. Therefore, we propose a model of crop planning using intuitionistic fuzzy optimization technique.

References

- B. Jana, Roy, T. K., "Multi objective intuitionistic fuzzy linear programming and its

**Index Terms**

Computer Science  
Fuzzy Systems

**Keywords**

Multi-Objective linear programming  
Fractional programming approach  
Intuitionistic fuzzy sets  
Intuitionistic fuzzy optimization.