

modeling nitrogen management effects on winter wheat ... - modeling nitrogen management effects on winter wheat production using rzwqm and ... modeling nitrogen management effects on winter wheat production **list of crop modelling studies as collected for the global ...** - list of crop modelling studies as collected for the global yield gap atlas project ... climate change adaptation strategies for maize and wheat production in **modeling nitrogen and water dynamics in rice-wheat rotations** - in this study, a modeling framework for rice-wheat rotations (riwer) is developed, ... water-limited and nitrogen-limited production situations. ... **greenhouse gas emissions and nitrogen use in u.s. agriculture** - agriculture greenhouse gas modeling forum; ... figure 6 u.s. wheat production, yield, nitrogen use, ... greenhouse gas emissions and nitrogen use in u.s. agriculture: **a knowledge-based model for nitrogen management in rice ...** - cao et al. modeling nitrogen fertilization in cereal crops 101 methods with poor quantification in production of rice and wheat. materials and methods **nitrogen cycling in an irrigated wheat system in sonora ...** - of wheat production, no 3 ... nitrogen cycling in an irrigated wheat system in sonora, mexico: measurements and modeling **simulation of nitrogen balance in rice-wheat systems of the indo-gangetic plains ...** - simulation of nitrogen balance in rice-wheat systems of the indo-gangetic plains ... the rice-wheat production ... computer-based simulation modeling, decision **the role of crop modelling in agricultural research** - the role of crop modelling in agricultural research ... showed that nitrogen management was a key ... rainfed wheat production could increase food self ... **bayesian estimation of optimal nitrogen rates with a non ...** - 7 bayesian estimation of the profit maximizing nitrogen for wheat the bayesian approach is used to estimate the economically nitrogen level for crop production. **modeling economic optimum nitrogen rates for winter wheat ...** - modeling economic optimum nitrogen rates for winter wheat ... hay production. ... gen rates for winter wheat when nitrogen affects both crop yield and crop price. **use of apsim to model nitrogen use efficiency of rain-fed ...** - use of apsim to model nitrogen use efficiency of rain ... apsim to model nitrogen use efficiency in wheat ... tools like simulation modeling and proper nitrogen **modeling the role of irrigation in winter wheat yield ...** - modeling the role of irrigation in winter wheat yield, ... effects on wheat production when the reduction in ... nitrogen, phosphorus and ... **simple simulation models for agronomic research** - to local wheat production. following are ... at present, modeling can be useful for ... limited by nitrogen shortage, water **wheat yield functions for analysis of land-use change in china** - the response of the wheat crop to nitrogen deficits is also calculated in ceres-wheat [8]. the model ... 0 crop modeling sites wheat production in 1000 tonnes **modeling nitrogen and water management effects in a wheat ...** - production, soil water, and n ... modeling nitrogen and water management effects in a wheat-maize double-cropping system **simulation of nitrogen dynamics in the soil-plant system ...** - simulation of nitrogen dynamics in the soil-plant system ... used to simulate soil nitrogen dynamics and biomass production at five locations for crops **modeling plant and soil systems - digital library** - bartholomew and f. e. clark, editors: soil nitrogen. 1965 (out of print ... improvement, production, and uses ... editors: modeling plant and ... **parameterizing an agricultural production model for ...** - parameterizing an agricultural production model for ... o fluxes under different nitrogen ... agricultural production modeling; nitrous oxide; wheat-maize ... **modeling temperature response in wheat and maize** - modeling temperature response in wheat and maize ... nitrogen metabolism; ... compared three approaches for modeling tiller production, ... **modeling leaf production and senescence in wheat - idosi** - modeling leaf production and senescence in wheat ... production. consequently, modeling of leaf growth has level ... nitrogen from leaves to the developing grain ... **simulation of free air co2 enriched wheat growth and ...** - simulation of free air co2 enriched wheat growth and interactions with water, nitrogen, and temperature ... crop modeling face soil water **new computer model uses decades of data to help producers ...** - researchers to study winter wheat biomass responses to nitrogen, as influenced by two soil types. one was libbert, ... modeling winter wheat forage production for **session 1a: global agricultural modeling for development ...** - climate change impact on mexico wheat production - diego ... modeling the causes and cascading impacts ... wheat response to nitrogen application rates and ... **whole farm modeling of the effect of risk on optimal ...** - whole farm modeling of the effect of risk on optimal tillage and nitrogen fertilizer intensity markus gendorfer*, david j. pannell and andreas meyer-aurich **leaf nitrogen spectral reflectance model of winter wheat ...** - leaf nitrogen spectral reflectance ... and net primary production. ... alization. accordingly, some studies have used physically based modeling methods **the value of enso forecast information to dual-purpose ...** - preplanting

nitrogen application rate ... the focus here will be on the combined wheat production and grazing practice ... wheat yield and live weight gain modeling **original article modeling for relationships between soil ...** - modeling for relationships between soil properties and yield components of wheat using ... the improved estimation of production ... total nitrogen ... **modeling long-term dynamics of carbon and nitrogen in ...** - recent reports have related yield $\hat{\sim}$ stagnation $\hat{\sim}$ TM in rice-wheat systems in ... soil organic carbon, soil organic nitrogen, wheat, yield decline ... modeling (a ... **article a better nitrogen use to improve organic wheat ...** - a competitive production system. ... a better nitrogen use to improve organic wheat production ... a combined modeling and experimental approach. **3 spatial modeling of nitrogen leaching - springer** - management strategies on agricultural production, ... spatial modeling of nitrogen leaching 35 fig. 1. situation of the project area marchfeld plain, ... **process&based modeling of nitrous oxide emissions from ...** - from wheat-cropped soils at the subregional scale ... and only to a minor extent by the doses of fertilizer nitrogen ... 2o production potential itself ... **modelling irrigated cropping systems, with special ...** - modelling irrigated cropping systems, with special attention to rice ... in rice and wheat production ... irrigated cropping systems, with special attention to rice ... **modeling a wheat $\hat{\sim}$ “maize double cropping system in china ...** - modeling a wheat $\hat{\sim}$ “maize double cropping ... nitrogen fertilizer plays ... use of crop simulation models to evaluate crop production systems in the ncp has been rare. **modelling nitrogen distribution in virtual plants, as ...** - author manuscript of paper published 3rd international symposium on plant growth modeling ... nitrogen distribution in virtual plants, as exemplified by wheat **establishment of anedr model for evaluating absorbed ...** - establishment of anedr model for evaluating absorbed-nitrogen effects on wheat dry ... or modeling are ... effects in relation to dm production of winter wheat. 2 ... **modeling farm nutrient flows in the north china plain to ...** - modeling farm nutrient $\hat{\sim}$ ows in the north china plain to reduce nutrient losses zhanqing zhao production were ... modeling farm nutrient flows in the north ... **apsim and dssat models as decision support tools** - maize and cropsyst modeling approach. similarly, ceres-wheat and cropsyst models were parameterized to simulate water-nitrogen interaction in wheat ... production ... **directions in modeling wheat and maize for developing ...** - directions in modeling wheat and maize ... to facilitate modeling of nitrogen mineralization ... directions in modeling wheat and maize for developing countries: ... **simulating the effect of nitrogen application on wheat ...** - simulating the effect of nitrogen application on wheat yield by linking remotely sensed measurements with wtgrows simulation model v.k ... matter production **application and estimation of wheat production emulation ...** - application and estimation of wheat production emulation system in hebei province 81 at the provincial level (moriondo, et al, 2007). greenwald et al introduced **energy efficiency analysis and modeling the relationship ...** - energy efficiency analysis and modeling the relationship between energy ... and yield for wheat production in ... energy efficiency analysis and modeling ... **information from collected literature for niger to be used ...** - information from collected literature for niger to be used for crop ... fao crop calendars for maize / sorghum / millet/ wheat ... experiments and modeling by ... **efficient use of different sources of nitrogen in ...** - utilization of nitrogen in crop production 32 ... impact of varieties on bread wheat nitrogen use efficiency ... modeling water-nitrogen-carbon feedbacks on plant ... **quantifying yield gaps in wheat production in russia** - 1995 to 2006 with optimal nitrogen supplies for both rainfed and ... parameters during inverse modeling ... accounts for 75% of russia $\hat{\sim}$ TM's wheat production (ros-**impacts of climate change on growth and yield of rice and ...** - impacts of climate change on growth and ... to assess the impacts of climate change on the rice and wheat production ... and application of additional nitrogen can ... **country-level bio-economic modeling of agricultural ...** - together with average nitrogen ... planting date, foresight modeling, wheat supply, syria ... irrigation water is a constraining resource of agricultural production. **a model for the estimation of yield and investigation on ...** - depth of tillage, the amount of (nitrogen, ... modeling and predictions. ... ghodsi et al used the artificial neural network for prediction of wheat production in iran. **large-scale, high-resolution agricultural systems modeling ...** - large-scale, high-resolution agricultural systems ... to model wheat production, soil carbon, and nitrogen ... high-resolution agricultural systems modeling ... **yield gap analysis of field crops - food and agriculture ...** - yield gaps and nitrogen uptake 35 ... time trends in fao $\hat{\sim}$ TM's net production index ... yield gap analysis of wheat-maize double cropping and its components 27 **nitrogen partitioning in spring and winter wheat at ...** - nitrogen partitioning in spring and winter wheat 126 agronomy new zealand 41, 2011 partitioning in a single parameter (dordas, 2009; hernandez-ramirez et al., 2011).

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