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The Combine-harvester in Eastern Canada 1937-1939 Farming Machinery - Combine Harvesters - With Information on the Operation and Mechanics of the Combine Harvester Combine Harvesting Growth of modern service providers for the African agricultural sector: An insight from a public irrigation scheme in Ghana Monitoring the agri-food system in Myanmar: Mechanization service providers - January 2023 survey round Monitoring the agri-food system in Myanmar: Mechanization service providers - July 2023 survey round Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - November 2020 survey round Monitoring the agri-food system in Myanmar: Mechanization service providers - January 2022 survey round Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - December 2020 survey round Monitoring the agri-food system in Myanmar: Mechanization service providers - July 2021 survey round An evolving paradigm of agricultural mechanization development: How much can Africa learn from Asia? Overview of the evolution of agricultural mechanization in Nepal: A focus on tractors and combine harvesters A comparative assessment of combine harvesting vis-a-vis conventional harvesting and threshing in Arsi Region, Ethiopia Entrepreneurship and Social Innovation for Sustainability Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - May 2020 survey round Agricultural mechanization services, rice productivity, and farm/plot size: Insights from Myanmar Evolution of agricultural mechanization in Vietnam: Insights from a literature review and multiple rounds of a farm household survey The Philosopher's Stone for Sustainability Custom hiring services in agriculture: An institutional economic study in eastern dry zones of Karnataka An Illustrated History of Combine Harvesters Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - July 2020 survey round Institutional Innovations in the Delivery of Farm Services in India Tax simplification - An African Perspective Edited by Chris Evans, Riël Franzsen, Elizabeth (Lilla) Stack 2019 Agricultural mechanization and agricultural transformation Monitoring the agri-food system in Myanmar: Mechanization service providers - June 2021 survey round Second rapid assessment of food and nutrition security in the context of COVID-19 in Bangladesh Food systems transformation in Kenya: Lessons from the past and policy options for the future Loading... Files Full Book (7.78 MB, pdf) Chapters List (73 KB, pdf) Authors Breisinger, Clemens Keenan, Michael Mbutia, Juneweenex Njuki, Jemimah Date Issued 2023-12-20 Language en Type Book Review Status Peer Review Access Rights Open Access Open Access Usage Rights CC-BY-4.0 Metadata Sha TNPSC Exam PDF-Tamilnadu Combined Engineering Services Examination Assistant Engineer (Agricultural Engineering) Exam: Agricultural Engineering Subject eBook-PDF White Gold: The Commercialisation of Rice Farming in the Lower Mekong Basin Farm machinery use and agricultural industries in India: Status, evolution, implications and lessons learned Who are the entrepreneurs? A case for accelerated service economy for agricultural machinery in Odisha Conflict, inclusivity, and transformation of the rice value chain in Myanmar HIRE SERVICES AS A BUSINESS ENTERPRISE Selling Services National steppe conservation strategy and action plan 2021-2030 An evolving paradigm of agricultural mechanization development: How much can Africa learn from Asia? Synopsis Persistence Pays The State and Rural Class Formation in Ghana Recent Stage and Prospects of Agricultural Mechanization in Developing Countries Meta-impact assessment of the irrigated rice research consortium

The Combine-harvester in Eastern Canada 1937-1939

1940

this book contains a classic guide to vintage farming machinery including detailed descriptions explanations and illustrations of the machinery treated it contains information on the various types of harvesters and other examples of machinery that existed at the time of publication this is a fascinating work and is thoroughly recommended for anyone interested in farm machinery especially the history and development thereof contents include methods of harvesting by combine main types of combine the threshing mechanism handling of the straw choice of crop varieties combine harvester or binder combine harvesters etc many vintage books such as this are increasingly scarce and expensive it is with this in mind that we are republishing this volume now in an affordable modern high quality edition complete with a specially commissioned new introduction on poultry farming

Farming Machinery - Combine Harvesters - With Information on the Operation and Mechanics of the Combine Harvester

2013-01-31

this paper describes how modern service providers have emerged in the african agricultural sector a subject that has been vastly understudied the paper looks at providers of modern rice mills power tillers combine harvesters and production services at a highly productive rice irrigation scheme in ghana these service providers earn net profits that are greater than the profits they would likely achieve from simply expanding rice production without investing in respective machines suggesting that higher returns primarily induce the emergence of these modern providers surpluses and experiences from their years of rice production are likely to have provided the primary finance and knowledge required for entry the service providers emerged by exploiting both the economies of scale and the economies of scope keeping rice production as the primary source of income instead of specializing only in service provisions key policy implications are also discussed

Combine Harvesting

1987

a phone survey was conducted in january 2023 to understand the effects of covid 19 and political instability on myanmar s mechanization service providers msps msps are crucial to enabling smallholder farmers to undertake a range of power intensive farm and post harvest operations in a timely manner this note reports on the results of this survey the tenth in a series of phone surveys and trends from earlier surveys

Growth of modern service providers for the African agricultural sector: An insight from a public irrigation scheme in Ghana

2017-09-19

a phone survey was conducted in july 2023 to understand the effects of political instability on myanmar s mechanization service providers msps that are crucial for enabling smallholder farmers to undertake a range of power intensive farm and post harvest operations in a timely manner this note reports on the results of this survey which is the 11th in a series of phone surveys as well as on trends from earlier surveys

Monitoring the agri-food system in Myanmar: Mechanization service providers - January 2023 survey round

2023-04-28

mechanization service providers msp in myanmar were originally surveyed by telephone over three rounds in may june and july 2020 to determine how their businesses were being affected by covid 19 related restrictions most of the msps interviewed were engaged in providing farmers with tractor related services the results of those surveys were published in myanmar strategy support program policy notes 07 12 and 17 respectively to trace the continuing impact of the covid 19 pandemic on their economic activities a fourth round of the survey of msps was done in early november 2020 administered mostly to those engaged in harvesting activities this note reports on the results of the fourth survey as well as some trends seen between the earlier survey rounds and this last one

Monitoring the agri-food system in Myanmar: Mechanization service providers - July 2023 survey round

2023-09-18

a phone survey was conducted in january 2022 to understand the effects of covid 19 and political instability on myanmar s mechanization service providers msps crucial to enabling smallholder farmers to undertake a range of power intensive farm and post harvest operations in a timely manner this note reports on the results of this survey the eighth in a series of phone surveys as well as on trends from earlier surveys

Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - November 2020 survey round

2020-12-10

mechanization service providers msp in myanmar were originally interviewed by telephone in may june july and november 2020 covering mostly combine harvester sps chsp and tractor sps tsp to determine how their businesses were being affected by covid 19 related restrictions the results of those surveys were published in myanmar strategy support program policy notes 07 12 17 and 39 respectively to trace the continuing impact of the covid 19 pandemic on their economic activities a fifth phone survey of msp was done in mid december 2020 administered mostly to sps in harvesting activities this note reports on the results of the fifth survey as well as on some trends from the earlier surveys

Monitoring the agri-food system in Myanmar: Mechanization service providers - January 2022 survey round

2022-02-25

mechanization service providers msps in myanmar were originally interviewed by telephone in summer 2020 fall 2020 and june 2021 covering mostly combine harvester service providers chsps and tractor service providers tsps to determine how their businesses were being affected by covid 19 related restrictions and political instability the results of those surveys were published in myanmar strategy support program policy notes 07 12 17 39 43 and 59 respectively to trace the continuing impact of the covid 19 pandemic as well as the current political and social conditions on their economic activities a seventh phone survey of msps was conducted in late july 2021 this note reports on the results of the seventh survey as well as on some trends from earlier surveys

Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - December 2020 survey round

2021-01-27

agricultural mechanization in africa south of the sahara especially for small farms and businesses requires a new paradigm to meet the needs of the continent s evolving farming systems can asia with its recent success in adopting mechanization offer a model for africa an evolving paradigm of agricultural mechanization development analyzes the experiences of eight asian and five african countries the authors explore crucial government roles in boosting and supporting mechanization from import policies to promotion policies to public good policies potential approaches presented to facilitating mechanization in africa include

prioritizing market led hiring services eliminating distortions and developing appropriate technologies for the african context the role of agricultural mechanization within overall agricultural and rural transformation strategies in africa is also discussed the book s recommendations and insights should be useful to national policymakers and the development community who can adapt this knowledge to local contexts and use it as a foundation for further research

Monitoring the agri-food system in Myanmar: Mechanization service providers – July 2021 survey round

2021-09-17

this study was conducted to understand the evolution of agricultural mechanization in nepal specifically its determinants on both the demand and supply sides as well as impacts on agricultural production and associations with broader economic transformation processes in order to draw lessons that can be conveyed to other less mechanized countries mechanization levels in nepal a largely agricultural country were relatively low until a few decades ago however significant mechanization growth including the adoption of tractors has occurred since the 1990s against a backdrop of rising rural wages particularly for plowing combined with growing emigration and growth in key staple crop yields and overall broad agricultural production growth as well as improved market access and participation this growth in mechanization has taken place despite the general absence of direct government support or promotion the growth of tractor use in the plains of the terai zone has transformed agricultural production rather than inducing labor movement out of agriculture raising overall returns to scale in intensification and enabling the cultivation of greater areas by medium smallholders than by resource poor smallholders tractors have also facilitated the intensification of crop production per unit of land among very small farmers enabling mechanization growth despite the continued decline in farm size although these farmers may not have benefited as much as medium smallholders potential future research areas with policy relevance include mitigating accessibility constraints to tractor custom hiring services identifying appropriate regulatory policies for mechanization and providing complementary support to some smallholders who may not fully benefit from tractor adoption alone

An evolving paradigm of agricultural mechanization development: How much can Africa learn from Asia?

2020-12-07

this book aims to assess the roles of entrepreneurship and social innovation for socio cultural changes it also evaluates farmers performance in disaster risk management at a community level toward sustainable regional development in a rural haor region of bangladesh to achieve the purpose of the research both a qualitative method trajectory equifinality modeling tem and a quantitative method structural equation modeling sem are introduced based on the results of case studies on local entrepreneurs interview and focus group discussions with stakeholders and questionnaire surveys of farm households first the results clarify

that social capital is critically important both for male and female entrepreneurs in the haor region and that education is more important to women for empowerment and technology adoption in the entrepreneurial ecosystem in the haor region of bangladesh in addition it makes clear that the common interest group approach plays a role for women s empowerment in the target region furthermore it identifies the multi causal relationships among the factors affecting farm households performance in disaster risk management at the community level this book helps readers to understand regional development through social and cultural transformation in a rural community where poverty and gender discrimination are path dependent problems

Overview of the evolution of agricultural mechanization in Nepal: A focus on tractors and combine harvesters

2017-07-21

agricultural mechanization service providers msp are crucial to enabling smallholder farmers to undertake a range of power intensive farm and post harvest operations in a timely manner these operations are important for food production and farm income msps are capital intensive operations the economic viability of these businesses is highly sensitive to capacity utilization which generates the cash flow needed to repay equipment loans to prices of imported capital goods including machines equipment and fuels and to the availability of machine operators among others hence the operations of msps are sensitive to restrictions on mobility and trade the covid 19 pandemic in myanmar the restrictions imposed as policy responses to control the spread of the virus and the associated market disruptions affect the operations of msps across the country however the specific impacts msps experience depends on factors specific to different regions and states measures to support msps and to ensure farmer access to their services should be guided by an understanding of the situation on the ground

A comparative assessment of combine harvesting vis-a-vis conventional harvesting and threshing in Arsi Region, Ethiopia

2022-11-04

the relationship between productivity and farm size has been at the center of considerable debate agricultural mechanization that is rapidly taking off in a large number of low and middle income countries has been identified as one of the emerging technologies in these settings with a critical yet complex influence on this productivity size relation however knowledge gaps remain as how agricultural transformation due to the adoption of new technologies and the change in factor costs such as mechanization fees are associated with this productivity size relation in the case of myanmar where mechanization use has dramatically increased over the last decade we find a significant inverse productivity plot size relationship with small rice plots having productivity levels approximately 30 percent higher than large plots however rising mechanization fees more so in conflict affected townships attenuated this inverse relation between rice productivity yield and profit per land and plot size substantially these results primarily hold on the largest rice plot cultivated by each farmer but also generally hold when

comparing total rice area and major non rice area our results are likely explained by the fact that in myanmar smallholders have become more dependent on mechanization services than larger farms who can rely on their own machines do that alternatives to mechanization services have become scarce as mechanization use changed little despite these price increases and that mechanization service costs account for a significant share of the total production costs among smallholders

Entrepreneurship and Social Innovation for Sustainability

2020-06-09

despite the reportedly rapid growth of mechanization as well as its unique history in economic and social systems information on the patterns of agricultural mechanization growth in vietnam has been limited through an extensive review of existing literature and several rounds of nationally representative household survey data we document the evolution of mechanization particularly tractors and combine harvesters in vietnam including the heterogeneity across regions and farm sizes and the emerging roles of the private sector in the supply of machinery and hiring services

Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers – May 2020 survey round

2023-07-27

industrial product service systems ips2 which is defined as an integrated industrial product and service offering that delivers value in use has expanded rapidly over the last decade ips2 has allowed us to achieve both high added value and high productivity and has enriched our qol by improving the performance of products and services we are now struggling with many awkward issues related to sustainability but ips2 is expected to be the philosopher s stone for solving these issues following the pattern of conferences held in cranfield in 2009 linköping in 2010 and braunschweig in 2011 the fourth international cirp conference on industrial product service systems held on november 8 9 2012 in tokyo will cover various aspects of ips2 topics planned for this year s conference reflect the latest ips2 information in both the natural sciences and humanities and include case studies from various industries ips2 is still a relatively new field so it is important to keep track of the entire context in order to promote more cross sectional cooperation between multimodal fields and disciplines the fourth international cirp conference on industrial product service systems will serve as a vital platform for such collaborations and the discussion of new scientific ideas

Agricultural mechanization services, rice productivity, and farm/plot size: Insights

from Myanmar

2012-09-19

the present study has been carried out in eastern dry zone of karnataka which is one of the major agricultural production zone facing sever labour shortage and have scope for mechanization the primary data for the study has been collected from the 30 chs providers and 150 farmers the study focused on characteristic features farm machinery inventory available with different custom hire service chs providers economic feasibility investment pattern benefits in use of different chs providers and problems faced by the farmers as well as the chs providers in the study region the results indicated that the government subsidized non governmental organization ngo operated chscs are following stringent norms in providing farm machinery services and payments towards services compared to other chs providers in the study region the ngo operated chsc in chikkaballapur had invested highest compared to other chs providers irrespective of the chs providers and region the investment made on tillage equipments was the highest however the government subsidized chscs own maximum number farm machinery inventory compared to other chs providers irrespective of the region the feasible factors highlighted that all the government subsidized chs providers are economically feasible and ngo operated chsc in tumkur is capable of generating higher returns in addition it was found that the farmers have realized 10 to 20 per cent higher returns from using custom hire services from government subsidized chsc than other chs providers the non availability of skilled labour spare parts of farm machinery and repair and maintenance and local workshops were the major constraints faced by the chs providers while non availability of machinery services in time quality of farm operation and payment options were the major constraints faced by the farmers

Evolution of agricultural mechanization in Vietnam: Insights from a literature review and multiple rounds of a farm household survey

2001

mechanization service providers in myanmar were originally interviewed by telephone in may 2020 and again in june 2020 to determine how their businesses were being affected by covid 19 related restrictions the results of those surveys were published in myanmar strategy support program policy notes 07 and 12 respectively to trace the continuing impact of the covid 19 pandemic on their economic activities a third phone survey of mechanization service providers was done in early july 2020 this note reports on the results of the third survey as well as some trends since the first and the second surveys

The Philosopher's Stone for Sustainability

2020-07-31

this book uses primary evidence to assess the value of agro input and service delivery business models in terms of their

inclusiveness effectiveness and impact from a small farmer perspective in the form of case studies in three indian states punjab bihar and uttar pradesh the services discussed include custom rental of farm machinery and equipment franchising for backward and forward linkage for farmers and the supermarkets for delivery of farm inputs and extension services the book examines agro input and service delivery business models as institutional innovations for inclusive and effective delivery of such services in the small farmer context based on primary data from the agencies designing and implementing such models and the farmers who make use of these inputs and services further it identifies major issues and challenges in the delivery of farm inputs and services across regions and types of farmers and examines possible policy and enabling provisions to promote cost effective and high quality agro input delivery channels

Custom hiring services in agriculture: An institutional economic study in eastern dry zones of Karnataka

2017-09-17

tax simplification an african perspective edited by chris evans riël franzsen elizabeth lilla stack 2019 isbn 978 1 920538 96 5 pages 347 print version available electronic version free pdf available about the publication why are tax systems so complex and what are the causes and consequences of such complexity the simplification of tax systems is one of the most important issues faced today in worldwide efforts to modernise and strengthen government finance and revenue raising capacities nowhere is it more important than throughout the rapidly emerging economies of the dynamic african region this volume brings together contributions in this field from a conference held in south africa in october 2018 and provides a unique synthesis of knowledge and understanding gained from the specialist expertise and diverse backgrounds brought to the tax simplification debate by those authors featured topics include taxpayers rights to simplicity the african experience of tax simplification simplification trends among small and medium sized entities pension tax simplification sources of complexity in value added taxation simplification of recurrent property taxes complexity and approaches to international taxation complexity and taxation of multinational enterprises lessons from overseas the analysis of these topics includes timely and relevant perspectives from the experience in other jurisdictions including australia canada new zealand the united kingdom and the united states the volume will be an essential reference for researchers and others interested in the field from academia government legal and accounting practice and public policy organisations in african and other countries worldwide table of contents preface foreword tax simplification in the united kingdom some personal reflections john whiting contributors introduction elizabeth lilla stack chris evans and riël franzsen tax complexity and tax simplification a critical review of concepts and issues binh tran nam annet wanyana oguttu and kyle mandy the taxpayers right to tax simplicity in south africa and the united states carika fritz and nina e olson the role of the office of tax simplification in the united kingdom and lessons for other countries yige zu and lynne oats an analysis of the tax simplification initiatives for pension provision in the united kingdom and south africa bernadene de clerq andy lymer and chris axelson simplification lessons from new zealand adrian sawyer marina bornman and greg smith legal uncertainty in the south african vat marius van oordt and richard krever simplifying recurrent property taxes in africa riël franzsen abdallah ali nakyeya and adams tommy statutory and effective complexity for individual taxpayers in south africa sharon smulders karen stark and deborah tickle small and micro businesses case studies on the complexity of simplified schemes heinrich

dixon judith freedman and wollela abehodie yesegat tax complexity for multinational corporations in south africa evidence from a global survey thomas hoppe reyhaneh safaei amanda singleton and caren sureth sloane international tax simplification in south africa through managing substantive complexity and improving drafting efficiency jinyan li and teresa pidduck bibliography index

An Illustrated History of Combine Harvesters

2019-01-01

a renewed focus on agriculture s potential contribution to economic transformation in africa has resulted in increased attention paid to agricultural mechanization african agriculture still relies predominantly on human muscle power despite anecdotal evidence on urbanization and rising rural wages in contrast to other developing regions that have experienced rapid increases in agricultural mechanization during the past few decades past state led mechanization pushes in africa often failed due to insufficient understanding of the nature of demand for mechanization technologies among farmers and insufficient knowledge of private sector functions this background paper reviews the factors likely to influence farmer demand for mechanization in africa and details different existing and potential mechanization supply models although an empirical analysis of mechanization demand and the effectiveness of supply chains is beyond the scope of this paper in part due to data limitations this paper suggests that demand for mechanization may be emerging in some parts of africa it also suggests that private sector driven supply models are better positioned to meet this demand than direct government involvement and certain types of subsidized programs the paper then identifies possible areas for government support to complement private sector leadership in developing mechanization supply chains nevertheless significant further research is required to better understand the changing nature of mechanization demand in africa and the extent and effectiveness of different supply models in meeting it

Monitoring the impact of COVID-19 in Myanmar: Mechanization service providers - July 2020 survey round

2016-04-29

mechanization service providers msps in myanmar were originally interviewed by phone in the summer and fall of 2020 the phone surveys covered combine harvester sps chsps and tractor sps tsps to determine how their businesses were affected by covid 19 related restrictions the results of those surveys were published in myanmar strategy support program policy notes 07 12 17 39 and 43 respectively to trace the continuing impact of the covid 19 pandemic and the current political and social conditions on their economic activities a sixth phone survey of msps was conducted in early june 2021 this research note reports on the results of the sixth survey as well as on trends from earlier surveys

Institutional Innovations in the Delivery of Farm Services in India

2021-07-28

covid 19 is a global health crisis that has caused a shock to food and agricultural systems around the world affecting production supply chains trade markets and people s livelihoods and nutrition this second assessment provides an invaluable and wide ranging analysis that underlines the scale and scope of covid 19 s impact on food and agriculture in bangladesh it is based on qualitative data collected during may and june 2020 the analysis determined that the entire food supply chain was hampered by the covid 19 lockdown and resulting economic crisis that occurred from mid march to may the study detailed and analyzed major impacts

Tax simplification - An African Perspective Edited by Chris Evans, Riël Franzsen, Elizabeth (Lilla) Stack 2019

2020-10-15

the new kenyan government faces a complex domestic and global environment and it is widely expected to address key food and agricultural challenges with a new set of policies and programs this policy brief presents key recommendations from a forthcoming book food systems transformation in kenya lessons from the past and policy options for the future which provides research based food for thought and action to support the kenyan government s efforts to improve food security

Agricultural mechanization and agricultural transformation

2024-02-12

sgn the tnpsc exam pdf tamilnadu combined engineering services examination assistant engineer agricultural engineering exam agricultural engineering subject ebook pdf covers objective questions with answers

Monitoring the agri-food system in Myanmar: Mechanization service providers - June 2021 survey round

2023-10-14

this open access book is about understanding the processes involved in the transformation of smallholder rice farming in the lower mekong basin from a low yielding subsistence activity to one producing the surpluses needed for national self sufficiency

and a high value export industry for centuries farmers in the basin have regarded rice as white gold reflecting its centrality to their food security and well being in the past four decades rice has also become a commercial crop of great importance to mekong farmers augmenting but not replacing its role in securing their subsistence this book is based on collaborative research to a compare the current situation and trajectories of rice farmers within and between different regions of the lower mekong b explore the value chains linking rice farmers with new technologies and input and output markets within and across national borders and c understand the changing role of government policies in facilitating the on going evolution of commercial rice farming an introductory section places the research in geographical and historical context four major sections deal in turn with studies of rice farming value chains and policies in northeast thailand central laos southeastern cambodia and the mekong delta the final section examines the implications for rice policy in the region as a whole

Second rapid assessment of food and nutrition security in the context of COVID-19 in Bangladesh

2020-01-03

this study reviews the evolution of agricultural mechanization particularly tractors in india in doing so it provides some rough indicators of the extent of mechanization particularly the spread of tractor use at different historical phases emphasizing that india s experiences up to 1990 are as important as the lessons since then the paper highlights the growth of diverse patterns of custom hiring service provision as well as heterogeneity in the speed of mechanization growth across regions and agroecological zones it also summarizes the evolution of key related policies in india that are likely to have affected tractor imports supply financing manufacturing and related inputs such as fuel and electricity

Food systems transformation in Kenya: Lessons from the past and policy options for the future Loading... Files Full Book (7.78 MB, pdf) Chapters List (73 KB, pdf) Authors Breisinger, Clemens Keenan, Michael Mbutia, Juneweenex Njuki, Jemimah Date Issued 2023-12-20 Language en Type Book Review Status Peer Review Access Rights Open Access Open Access Usage Rights CC-BY-4.0 Metadata Sha

2018-03-15

in this note we discuss the traits of machine owners that are associated with entrepreneurial behavior and ways in which information about these traits could be used to improve the targeting of mechanization subsidies to better foster the emergence of custom hire services for farm machinery in odisha

TNPSC Exam PDF-Tamilnadu Combined Engineering Services Examination Assistant Engineer (Agricultural Engineering) Exam: Agricultural Engineering Subject eBook-PDF

2018-03-23

this study explores the transformation of myanmar s rice value chain vc over a period of liberalization reform and infrastructure expansion from 2013 to 2019 and over a period of multiple crises from 2020 to 2022 including a military coup and widespread conflict we analyze modernization over these periods at different levels of the vc including upstream farms midstream mills and downstream rice vendors we rely upon unique data from large scale phone surveys collected at different segments of the rice value chain including farm and post farmgate complemented with insights from key informant interviews and secondary data the major findings are the following there have been large transformations within the rice value chain over the last decade but modernization in some areas decelerated due to conflict we note a process of modernization upscaling quality improvements and increased outsourcing of agricultural activities to specialized service providers by farmers the majority of this transformation occurred during the period of relative stability from 2013 to 2019 we show that although modernization continued during the crisis years that followed including an improvement in rice quality and an expansion of modern mills many modernization processes decelerated mills and farms in insecure and conflict affected areas participated to a lesser extent and the modernization gaps widened during the crisis years local rice market conditions improved with better quality rice sold locally a large share of food vendors indicated better rice quality overall at the time of survey compared to 3 and 10 years earlier sixty eight percent of vendors reported that there was no foreign matter in the rice that they sold a decade ago that share has increased by 23 percentage points to 91 percent in 2022 in domestic retail modern retail is yet negligible in rice distribution at the national level rice exports quadrupled with myanmar becoming globally the 5th biggest exporter of rice by the end of 2019 rice exports have proven to be resilient during the crisis years rice exports increased dramatically despite more stringent and costly non tariff measures for exports such as phyto sanitary requirements rice is exported through different channels moving away from low quality rice trucked to china to relatively better quality and often certified rice being shipped on large vessels to a more diverse set of countries we see shifting challenges over time due to banking electricity and mobility problems that millers and traders adjusted to at an increasing cost but national exports mostly stabilized in the crisis years compared to the period before seemingly as major rice producing areas except sagaing were less affected by conflicts midstream we see rapid uptake and investments in modern drying machines especially mechanized dryers and modern milling machinery in the form of new mill starts and upgrading from traditional mills the average number of modern mills operating in the miller s same village tract ward increased by about 60 percent from 2013 to 2019 and by a further 10 percent in 2022 the trend for traditional mills is the opposite declining by 50 percent between 2013 and 2019 and a further 15 percent in 2022 this modernization has been driven by local firm investments as foreign direct investment fdi has been limited upstream at the farm level we note a substantial expansion of modern input use rice seed markets have become more active in the 2010s the sale of branded rice seeds doubled over the last decade chemical fertilizer use also increased over the last decade while use was lower in 2022 than before the crisis they were still at a higher level than a decade earlier we also see increased use of modern harvest and post harvest technologies and more outsourcing of harvest and post harvest activities mostly linked to these modern technologies and practices in 2022 54 percent of the farmers reported to have used a combine harvester on most rice plots farmers hiring in

tractors increased by 33 percentage points over the last decade outsourcing drying services has also increased but the growth has been more modest 22 percent of the farmers indicated that they outsourced the drying of paddy modern dryer use increased accordingly we find significant negative relationships between severe local conflict and many modernization outcomes severe conflict is found to negatively impact various modernization aspects notably the adoption of tractor services and modern dryers at the farm level and the prevalence of modern mills and drying equipment in midstream operations modernization has not been everywhere inclusive more remote and smaller firms are participating less in modern practices more remote farmers show smaller growth in adoption of combine harvesters modern dryers and modern mills while smaller farmers have smaller growth in the use of combine harvesters and drying service providers in the midstream mills in remote areas show smaller changes in the share of modern mills in their areas while smaller mills have significantly slower growth in modern service provision and lower investment rates in value added machinery for many of these modernization outcomes the gaps across firm size and remoteness widened during the crisis years our findings point to three main implications for the modernization of myanmar s rice vc private market oriented reform leads to rapid modernization in vcs while heavy intervention e g low reference prices for rice limits on intranational trade control of imports and exports through an export licensing system and currency manipulation through a dual exchange rate system may jeopardize vc modernization and increase uncertainty throughout vcs more inclusive transformation should be promoted smaller and more remote farms and mills are showing slower growth across many modernization outcomes raising concerns about livelihood improvements for those participating less in the vc s modernization conflict negatively affects modernization at the farm and vc midstream the study reaffirms the crucial need for stable political and economic environments to foster effective agricultural growth and transformation

White Gold: The Commercialisation of Rice Farming in the Lower Mekong Basin

2024-04-29

this manual is specifically designed to help train actual and potential farm mechanization service providers in order to increase access to sustainable farm power to raise the productivity of smallholder farmers it focuses on two crucial aspects the provision of farm mechanization services as a viable business opportunity for entrepreneurs and the essential criteria of raising productivity in an environmentally sensitive and responsible way i e that includes conservation agriculture practical guidance on the essential business development and management skills required to successfully run a mechanization service provision business are presented with a focus on the equipment required to offer services compatible with conservation agriculture the manual will be of particular interest to policymakers intent on achieving sustainable intensification in the agricultural sector it is also a valuable resource for trainers charged with increasing the supply of well trained and well equipped entrepreneurial mechanization service providers through the implementation of training courses tailored to the specific course locations

Farm machinery use and agricultural industries in India: Status, evolution, implications and lessons learned

2018-07-20

the sales function is the front line of any business keeping up with the latest sales techniques is essential as well as ensuring you have a motivated incentivised and focused sales team well versed in the basics of selling from identifying new prospects and getting repeat business to closing the deal this module gives essential insight into all the key sales drivers such as account management handling complex sales selling services fmcg selling customer relationships and self development for sales people

Who are the entrepreneurs? A case for accelerated service economy for agricultural machinery in Odisha

2003-10-31

the project is carried out collaboratively by the food and agriculture organization of the united nations fao and the ministry of agriculture and forestry general directorate of nature conservation and national parks gdncnp general directorate of plant production gdpp and general directorate of forestry gdf with the financial support of the global environment facility gef this project along with the national steppe conservation strategy shows the importance fao and the ministry of agriculture and forestry attach to the conservation of turkey s rich and vulnerable steppe ecosystems their sustainable and cooperative management and awareness raising this strategy is instrumental in contributing to the conservation of unique steppe assets possessed by turkey at national level as well as fulfillment of international commitments such as those arising from the international convention on biological diversity aichi goals of convention on biological diversity and convention to combat desertification it appears that there are hardly any policies or legal documents directly geared towards steppe ecosystems in turkey as opposed to the legal and administrative documents for the conservation and management of mountain forests wetlands and coastal and marine ecosystems therefore the national steppe conservation strategy and action plan assumes special importance

Conflict, inclusivity, and transformation of the rice value chain in Myanmar

2022-07-01

agricultural mechanization in africa south of the sahara especially for small farms and businesses requires a new paradigm to meet the needs of the continent s evolving farming systems can asia with its recent success in adopting mechanization offer a model for africa an evolving paradigm of agricultural mechanization development analyzes the experiences of eight asian and five

african countries the authors explore crucial government roles in boosting and supporting mechanization from import policies to promotion policies to public good policies potential approaches presented to facilitating mechanization in africa include prioritizing market led hiring services eliminating distortions and developing appropriate technologies for the african context the role of agricultural mechanization within overall agricultural and rural transformation strategies in africa is also discussed the book s recommendations and insights should be useful to national policymakers and the development community who can adapt this knowledge to local contexts and use it as a foundation for further research

HIRE SERVICES AS A BUSINESS ENTERPRISE

2020-12-07

agricultural science policy in the united states has profoundly affected the growth and development of agriculture worldwide not just in the a united states over the past 150 years and especially over the second th half of the 20 century public investments in agricultural r d in the united states grew faster than the value of agricultural production public spending on agricultural science grew similarly in other more developed countries and c lectively these efforts along with private spending spurred agricultural prod tivity growth in rich and poor nations alike the value of this investment is seldom fully appreciated the resulting p ductivity improvements have released labor and other resources for alternative uses in 1900 29 2 million americans 39 percent of the population were rectly engaged in farming compared with just 2 9 million 1 1 percent today while making food and fiber more abundant and cheaper the benefits are not confined to americans u s agricultural science has contributed with others to growth in agricultural productivity in many other countries as well as the un ed states the world s population more than doubled from around 3 billion in 1961 to 6 54 billion in 2006 u s census bureau 2009 over the same period production of important grain crops including maize wheat and rice almost trebled such that global per capita grain production was 18 percent higher in 2006

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first published in 1986 africanists are nowadays devoting increasing attention to the role of the state both colonial and post colonial in the process of class formation in african societies the present study of the role of the state in the process of rural class formation in ghana can be viewed as both an expression of the current interest in and an addition to the growing body of literature on this subject

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