Ja	iculture decline in Pakis	
	under the last few agests.	and the same
-	1 28 Levilo bedriff cloud?	8-5
(10)	illian for hadraman cons Je should i	
1- In	troduction bales a series	
Agric	culture sector of Pakistan i	8
_cripple	ed by several challenges. The	1 -13
force	of agriculture in contribu	iting
<u>to</u>	development of the country	<u>y</u>
has	been paralysta Certain police	ries
and	ed by several challenges. The of agriculture in contribute of the countribute been paralysia. Certain policy reforms are mondatory to gorate its potential.	
Yeinvio	gorate its in potential	
2- An	overview of situation o	F
Onvi	culture in Pakistan	68.0
	Scarcify of water began been	
	Agriculture employs 37.4% of national Labour	
	70% exports of country dependent on agric	
	) Lock of innovation and to	gd
3- Ca	nuses of agricultural decl	line
in	Pakistan	<u>i</u>
38:1)	Scarcity of water	
<u> </u>	Pakistan's per capita water availability by	3
Karla a	dipped below 1000 cubic meter per year	
	Lack of innovation and technology	50
	- Farmers still using decade old methods	
	No use of robots, drones, sensor.	
3.3)	Inadequacy of infrastructure and marke	+ acces
	- Perilous situation of roads and transp	081
<u>i-</u>		
<u>j-</u>	- Unavailability of storage infrastructure	ē. V

-		merida
	-3.4) High prices of agricultural inputs	
	i- Prices of agricultural inputs has raised	
1	upto 200-250% in last five years.	
	3.5) Climate related disasters.	
	i- Floods of 2022 inundated 49 million	
	hectares of cropland in Sindh province.	
	The state of the s	_
(	4- Effects of navicultural decline	
	4- Effects of agricultural decline in Pakistan	
_	4.1) Decreased economic growth	
	i- Agriculture; and contributor in economy.	
_	ii Agriculture's contribution decreased by 2.85%	
_	4.2) Prevalence of food insecurity and hunger	
_	i- Pakistan ranked 99 out of 121 in	
_	Global Hunger Tradex:	
	4.3) Import of food commodities	
	i - Food imports go up by 15 in first half of F 22-25.	
_	4.4) Kise in piverty	_
. 4	Poverty has reached more than 40%	_
_	Characteristical and the control of	_
_	4.5) Slowdown in industrial sector.	_
_	i-Reduced supply of raw materials	_
_	ii - Disruption in supply chain.	_
$\vdash$	5 - Manager and American and Am	_
_	5- Measures to counter agricultural	
-	decline in Pakistan	_
-	5.0 Provision of subsidies on agri products.	_
-	i- Withdrawl of duty on imported seeds.	_
	ii- Eliminating excessive tax on fertilizers	_
	5.2) Easy availability of agri loans	_
-	i- Loans for tractors and solar power tubewell	

	5.3) Reduce energy consumption in agricult	the
	agriculture and replacing them will clean e 5.4) Discourage flood system of irrigation	PET 4.
	i- Using drip and sprinkling system for orchar	on.
	II- Zero tillage technique for traditional crop	
	i- To allow business to be more efficie	e.
	Safer and profitable.	ne,
	5.6) Education and training of Farmer	1411
	1- Knowledge about sensors, automation, digitali	zation
	ii- Arranging workshops, demonstration plot, farme 5.7) Enhancing storage facilities	group.
	i- Storing at desired temprature, pressure, hu	midity.
	"- Prevents 30-40% post harvest losses.	
	5.8) Public Private partnership to susta	in
	agricultural progress.  i-9t can help in investment in infras	
	it- Promote linkage between market and pr	ivate
	buyers.	.
	6- Conclusion	30!
	The state of the s	4
	herstiene is amber out	A (1)
	saconate basebar to comb offer "	of the second
	a posterial exception but her the	06.
	- of an are the same	
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	the state of the s	1

exse	will	hav	e a	chanc	e to	-
go	right",	Says	famous	<u>islavi</u>	ndian	+
agricult	ural	scientist	M.S.	Swam	inathan.	_
This	sal isospe	best :	applied	to	the	-
situation	of	Pakiston	Pakisto	in ordi	is	+
entangled	in This	many	issue	3, r	nainly	+
economi	This		due	to a	igricultural	+
decline	in	Pakista	r. Pakis	tan	18	-
an	agrarian	econo	my, a	rdollars	future	+
mofile in	its	populati	on is	phálas si	heavily	-
depender	it: on orion	agricult	ute. But	paindol	agriculture	-
	ofmilian					-
by	· various	compli	cations	auses	of	-
this	<u>agricultu</u>	ral	# dilemma	<u>Shabaari</u>	are	-
ubiquito	us, such	as	water	Scar	city and	+
						- 1
climate	challeng	<u>es</u> w	hich r	esults	os on in	+
disasters	like	floods	and c	drough	Also,	
disasters the	like U	floods ture	is n	ot s	satisfactory	\ \
disasters the Pakistan	infrastruc lags	floods ture behind	and c	ot respec	Satisfactory H of	4
disasters the Pakistan	infrastruc lags	floods ture behind	and c	ot respec	Satisfactory H of	4
disasters the Pakistan innovation Rising	in frastructure lags and costs	floods ture behind techn	is no cology agricu	ot specin as	Satisfactory  L of  griculture  inputs	4
disasters the Pakistan innovation Rising have	in frastructure lags and costs	floods ture behind techn of the	is in ology agricu	trespection of	Satisfactory  Satisfactory  The of the control of the control  Satisfactory  Satisfact	4
disasters the Pakistan innovation Rising have progress.	like infrastructural lags and costs blocked This	floods ture behind techn of the decline	is in agricu way is	trespection as	Satisfactory  Satisfactory  The of the control  The contr	4
disasters the Pakistan innovation Rising have progress in	lags lags and costs blocked This	ture behind techn of the decline	and of is in ology agricumay is	trought  tespec in ag  Itural  of  mar  duced	Satisfactory  Satisfactory  From Culture  inputs  its  nifested  economic	4
disasters the Pakistan innovation Rising have progress in growth	like Uike Infrastructural lags and costs blocked This the found	behind techn of the decline	is in agricu way is ve insecurity	respection of mar	Satisfactory  Satisfactory  From Culture  inputs  its  its  economic  ation	4
disasters the Pakistan innovation Rising have progress in growth has	lags and costs blocked This the fo	ture behind techn of the decline food its	and of is in ology agricular is of reinsecurity zenith,	trought  tespec in as  Itural  of  mar  duced  Infla	Satisfactory  Satisfactory  For culture  inputs  its  its  ifested  economic  tion	4
disasters the Pakistan innovation Rising have progress in growth has surge	lags and costs blocked This the fo	ture behind techn of the decline orm food its food	and of is in ology agricumay is vf reinsecurity zenith,	respection of mar duced Influent	Satisfactory  Satisfactory  Friculture  inputs  its  nifested  economic  tion  to  ustrial	4
disasters the Pakistan innovation Rising have progress in growth has surge growth	lags and costs blocked This the fo	floods ture behind techn of the decline food its food slow	and of is in agriculty is of reinsecurity zenith, and	trought  tespec in ag  Itural  of  mar  duced  Infla	s. Also, Satisfactory tof griculture inputs its nifested economic ation to ustrial	
disasters the Pakistan innovation Rising have progress in growth has surge	lags and costs blocked This the fo	floods ture behind techn of the decline food its food slow	and of is in agriculty is of reinsecurity zenith, and	trought  tespec in ag  Itural  of  mar  duced  Infla	s. Also, Satisfactory tof griculture inputs its nifested economic ation to ustrial	

	centered measures and policies are essential to revitalise its potential.
	These includes, provision of subsidies
	on agri products and agri loans.
	A mechanism must be provided with
	to replace flood system of irrigation
	with sprinkling Education and training
	OF formers is essential to carriers
	use nutrient tertilizers and quality seeas
	Also to reduce energy consumption and
	adopting environment trienally membras
1	Public - private pastnership can be
	key facto to help sustain
	agriculture
1	Agriculture is the second highest
	sector contributing to country's conomy with share of 22.9 per dept. followed
_	with share of 22.9 per dear, followed
	91 employe about 314 per cent of
4	the national labour force. Mount
4	70 per cent of Pakistan's exports
	are directly or indirectly dependent
	upon agriculture. Pakistan is one of the few countries that
	of the few countries that
	blogged With Deeling
	arable land. Pakistan's arable land  arable about 24.1 million hectors 9t
	about 24.1 million hectars 91
	covers about 47 per cent of national
	land, and is more than global
	38 per cent Pakistan
	generate a significant revenue from the export of its staple and
	the export of its staple and

	and cash agricultural emps. According
	to Department of Agriculture, Pakish produced in 2021, "67-1 million tons
_	
_	of sugarcane (5th largest global producer
	25 million tops of wheat (7th largest
	producer); 10.8 million tons of rice (10th lang
1	producer)! Hence, Pakistan has great
	agricultural potential.
	Despite being an agratian economy,
	so much resources and a major
	portion of workforce in agriculture,
_	Pakistan is dwindling in thes
	sector All these expedients are
	Fruitless unless they carrot are not
	able to fulfil the needs of
_	the country. Decline of agriculture
	in Pakistan is because of
1	various factors.
_	The main factor is scarcity of
_	water. The per capita availability
_	is below the international threshold.
-	Although, about 95 per cent of
	water is used for agricultural
3	production in Pakistan, some regions
1.	faces severe scarcity of witer.
	This is due to geographical
15	barriers, unequal distribution and
	population growth. The dependence
-	of the country on a dwindling
- 6	resource makes agriculture particulary
	vulnerable to water scarcity

Glaciers in the nothern mountain ranges are melting due to climate
changes. These glaciers are vital
 states in tives.
 Groundwater resources are also
being depleted rapidly. This is
TO OUT OF THE
 Hocordina to figures
 - RIVING INC.
 capita water availability
cipes below 1000 cubic meter per
 gear. Inis is stark decline from ground
 3930 Cubic meters in 1965. So, the
on the rise.
 on the live is is
Moreover, lack of innovations and
 1 1PC N D N   M   M   M   M   M   M   M   M   M
 decripe of goriculture Man
decades old methods of agriculture.
decades old methods of agriculture, which have passed down through
generation. They resulted in Jours
etteciency, higher costs and numerobility
compare events form machiness
penetration is now compared
developed nations. This limits and
 preparation, sowing harvesting and processing
 slower tarnasoud times
 increased wastage. Modorn
advanced On in the col
 using certain technical gadgets including
gacing ets including

_	drones sensors, robots and digital agriculture techniques. Their agriculture
	sector is at cusp of revolution.
	Their operations now work for
	differently than, they were year
	aga. They have changed in
	accordance with changing circumstances,
	which Pakistan has Not Pakistan has
	dragged its feet when it comes
	to embracing new technologies in
S	acriculture Hence the reluctancy in
ì	adopting technology in agriculture is
_	adopting technology in agriculture is a drawback to it
	Not just technology, Pakistan also
-	Not just technology, Pakistan also lacks a in sustainable infrastructure
_	to salisfy economic woes. This
1	really affects the market access
L	really affects the market access of farmers Agricultural Farms
-	and villages are often weated
-	for away from cities and
-	markers. The situation of roads
-	and transport is perilous. Small
-	farmers are not able to
+	reach big markets and get the fair deals. These shortcomings
-	the fair deals. These shortcomings
+	create a multitude of challenges
+	for farmers impacting everything
+	For farmers impacting everything from production cost to income
+	generation. A lack of proper storage infrastructure, including cold storage leads to significant spoilage
-	storage infrastructure, including cold
1	storage leads to significant spoilage

+	of perishable goods like Fruits
$\dagger$	and vegetables Farmers then have
+	to rely on middleman or
+	broker for instant deals. They
+	offers pretty low prices than
+	market's actual rales. Therefore, the
$\dagger$	insufficient development of infrastructure
+	and limited market access are
+	major bottlnecks hindering the growth
+	of Pakistan's agriculture ector
+	Likewise, high prices
-	of agricultural inputs are
1	also the factor contributing to
	agricultural declina. Agricultural inputs
	such as diesel, electricity, seed,
	fextilizers and pesticides are
	lifeline for agricultural grown.  9n last four to five
1	years, the prices of these inputs
1	have gone up 200 to
	2500 porcent The Aori Foxum
	Pakistan (AFP) has claimed that
	"due to increase in prices of
	agricultural inputs, production of different
1	crops fruits and Vegetables bare
	declined by 45 to 65 part"
	crops, fruits and vegetables have declined by 45 to 65 percent".  The farmers were unable to
	cultivate all their farmlands. F. A
	major portion of land hence
T	remained non cultivated The farmers
	Find themselves incapable to properly
1	To by obesity

_	prepare the land for any crop
	due to high input prices and
	water shortage, while they also
	and festilizers. So, increase in
	and Festilizers. So, increase in
_	prices of agricultural commodities
	causes eignificant decline in
_	production and the same has
_	Also, climate change badly affects
_	the agricultural sector in Pakistan.
L	Pakistan 18 among top few countries
_	that faced severe natural climate
L	disasters in last 3 to 4 years.
_	Increasing tempratures, erratic rainfall
_	patterns, and more frequent extreme
	wheather events like droughts and
,	Floods pose significant risks to
_	agricultural production. The devastating
_	floods of 2022 in Pakistan significantly
	impacted the country's agricultural sector.
	The largely affected were areas
	of Sindh and Balochistan province.  According to Pakistan Agricultural
	Research Center, the floods inundated
	4.9 million hectares of exopland in
	Sindh province? Oring with croplands,
	floods also destroyed infrastructure  Such as irrication conversible es
	and storage facilities hindoxing trans
	Such as irrigation capais, bridges and storage facilities hindering transp- ortation of agricultural products. And not just the floods, droughts
	not just the Choode droughte
-	The same of the sa

are	also fatal for agriculture.	
Certain	desert areas, especially of	,
Thal	in Punjab and That in Single	gar.
are	dependent upon rainwater. So.	9
the	climate related disaster also	u "i
	to agricultural declin	j. 5.
	Agricultural decline for	1
	ountry like Pakistan with	
	economy is deady. 91	
has	negative consequences which	1
affects	the social and economic	-
life	of the country.	
The	major effect the agriculture	al
decline	causes in Pakistan is,	ē.
<u>ithian</u>	reduced conomic growth of	-
the H	country Agriculture contribute	S_
second	highest share in country	3
econo my	after service sector A	2
decline	in agriculture is direct	ly
	in the economic growth	
·Operisin	the country 9t is evident	
	the floods of 2022, when	
Quarte D	major portion of agricultus	ral
landsio	was destroyed. The count	ry's
economic	growth does not reach	
the	expected growth level Accord	ling
to tooth	he economic survey of Pakistar	٠,
the	agricultural sector only achieved	
growth	of 1.55 % in FY 22-23 compar	red
to local	The damage in the	1
FY28-29	the damage in the	

	agriculture sector had a spill-over effect on the industry and other	
	coving the of the	
	economic growth in the country could be with decline	
	could be sustained with decline	
	in agriculture de de la	
	Not just economic growth lessen, decline in agriculture in Pakistan also results in food insecurity. Decline in	
	in agriculture in Pakistan also results	
	in food insecurity. Decline in	
	agricultural production means insufficient availability of food for people.  Pakistan in the recent few	
	availability of food for people.	
	Pakistan in the recent few	_
	mol months has faced severe food	
	Shortage: According to the 2022 Gilobal Hunger Index, Pakistan ranks	
	Gilobal Hunger Index, Pakistan ranks	
	99 out of 121 countries. H	
	significant portion of population is grappling with food insecurity World Citizen Report narrates that, "in	
	grappling with food insecurity World	
	Citizen Keport narrates that, "in	
	2022, around 69-71 million people	
	faced food shortage in Pariston"	
	Every item of food is	
	directly or indirectly obtained from agriculture. Wheat, rice, sugarcane and	
	agricultur Wheat, rice, sugarcane and	
(8.5.)	corn are main rops used in	
	or as food items. Decline in	
	their production will dwarf	
	the secountry's food availability.	
	Undernourishment is all-pervasive in	
	Pakistan, which demonstrates that	
- 51	food insecurity has reached HB	

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1.	2
u	3)

alarming leter. Hence agricultural decline triggers food insecurity.  Food shortage compels the government to import edible commodities. In the recent few months Pakistan's imports of food items have significantly increased being an agricultural country, importing food items is dilemma for Pakistan.  Although, the main crops of Pakistan are wheat rice and sugarcane, yet wheat and sugar was imported in FY22-13 Pakistan Bureau of Statistics states that,
Food shortage compels the government to import edible commodities. In the vecent few months: Pakistan's imports of food items have significantly increased Being an agricultural country, importing food items is dilemma for Pakistan. Although, the main crops of Pakistan are wheat, rice and sugarcane yet wheat and sugar was imported in FY22-23 Pakistan Bureau of Statistics States that
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was imported in FY22-13 Pakistan  Bureau OF Statistics States that
Bureau OF Statistics States that
Bureau of Statistics States that,
"food imports of Pakistan go up
by 15 per cent in firet three
months of FY-22-93? Although, Pakistan
was already importing edibles like
cooking oil, vegetables, Ten, coffee, cc.
But surge in wheat impost was
unusual and strange equally. "Wheat
imports in July-September shot up by
311 percent and cost \$407 million
Last year, \$ 99 million in wheat was
imported in the same period". So, the
importe Of Food items has increased as
result of agricultural decline
Agricultural decline also
resulted in increasing poverty and
result of agricultural decline.  Agricultural decline, also resulted in increasing poverty and social inequality. The setback to agriculture whether caused by Floods,
gariculture whether caused by Floria
Froody,

	lack of technology, and scarcity	-
	of writer, it has affected the	
	poor farmers of the country. And	
,	it has pot equally affected	
	the people those with contribution	
1	in service and other sectors can	
	sustain, but farmers are vulnerable	į.
	to its consequences. Poverty has	
	to its consequences. Poverty has reached alarming level in Pakistan.	
	ce 91 is estimated that 40 percent	
	Pakistanis live in poverty and zy	
	percent below poverty line. Those	
,	facing the extreme poverty, have	
-	curvival me this primary goal	
	survival as their primary goal in life Poverty is increasing	
	every coming year in Paketar.	
	According to World Bank, "poverty	
7.0	has risen by 6 percent to	
	39.4 per cent in FY22-23 with 12.5	
	million more people pushed into poverty	
	as compared to previous year.	
	Hence, the poverty has increased	
	as result of lagricultural declares	
1	Moreover, agricultural decline	100
	cause slowdonun in industrial sector-	
	Agriculture and industrial sector	
	has inter-dependance Decline in	
	agriculture can disrupt industrial	
	Function in many ways; industry	
	function in many ways; industry requires raw materials, which mainly comes from agricultural	
	mainly comes from agricultural	

produts. Food, textile, biofuels and	
many other industries are dependent	14.22
upon agriculture. Also, agriculture is	
the main source of revenue	
major postion of population	
Disruption in agriculture can affect	
their consumption capacity This can	
read to decrease in demand	
for industrial goods and services,	
further impacting industrial production.	
9t can also disrupt supply	
chains across various industries. In	
Pakistan, slowdown has been	
witnessed in previous few months	
was is result of decline in	
agriculture Thus, the agriculture and	
industrial sector are inter-connected.	
Despite the fact that	
challenges to agriculture are stern and	
ubiquitous, certain measure can help	
revitalise its potential The agricultural	
has been paralysed in Pakistan,	
pertaining to numerous factors, but	
it has ability to revive.	
Precise policies and plans can be	
effective to revolutionise agriculture in	
effective to revolutionise agriculture in Pakistan, which are discussed in following	
paragrap s.	
Agricultural decline can be countered	
by providing subsidies on agri	
products The agri products including	
of the same of the	
Committee of the commit	

a la Carlificana sadi des ata	
seeds, fertilizers, pesticides, etc. are agricultural inputs. The prices of	
these products have surged, compared	
to the agricultural revenue. This	
price hike has made it difficult	
for poor farmers to grow cultivate	
their crops with full potentiality.	
Definite efforts are required by	
government to address their woes.	
The subsidies like withdrawal of	
duty on imported seeds and pesticides.	
are essential fasy and cheap availability	
of fertilizers like urea and nitrogen	
must be ensured. Along with that	
special subsidies are required for	
low growth and most affected	
area Such kind of measure has	
taken by Punjab Agricultural Department,	
which has "announced a subsidy	
program for farmers in 13 districts	
to acquire laser land pevellers. The	
government will provide 250000 against each laser land purchased by the	
each laser kand purchased by the	
farmers. This initiative will enhance	
agricultural practices in the region. So,	-
the subsidies are mal to counter agricultural decline.	
Not illet cubeidies asserance inhoused	<u> </u>
alon make cure en in avaigationitie	
of agricultural long of Formore need	
Not just subsidies, government should also make sure easy availability of agricultural loan. Farmers need heavy amount of loan to	
Thursday of way	1 29
	211

buy tractors or install solar tube	
wells such They are not able into	Carlotte Control
generate such huge amount at	
onee. They should be provided	0
with loan on easy terms and	
condition Empowering and investing	4
in Zarai Taragiati Bank Limited	
mandatory for provision of easily	2
and timely loans to farmers	
Loan schemes should solely be	
focus empowering farmers to	
help sustain agricultural growth. Loan	
quota propries farmers programust be increa	us d
The government had increased loan	
amount for Farmers in Fyzz-23 "from	
1.8 trillion to 2.2 trillion, the allocation	
of 50 billion was to mensure whift of	
50000 tube wells to solar puer".	
Hence, the loan amounts will support	
farmers for agricultural growth	
Moreover, Energy consumption in agriculture	2
field benefits farmer as well as	
environment By reducing fossil fuel	
footprints of the the country, and	
replacing them with clean energy	
alternatives agricultural production can	
be make sustainable on the basis:	
of self sufficient energy. The extract	ion
of groundwater in Pakistan heavily	
relies on fossil fuels or electricit	4
relies on fossil fuels or electricit produced by fossil fuels Hence this	7
extraction is done by non-renewal	le
extraction is done by non-renewal Sources of energy, which lead	
/ //	

to high	levels	oF_	carbon	<del>jud J</del>
emissions. Four	r major	crops.	responsil	ole
for this	are	wheat,	rice, sugar	cane
and cott	n. The	nergy T	equired	70
the irric	pation of	Four	major cro	ps is
103 PJ (Petajo	ule) which	is eq	yivalent	to
2.5 million tone	of oils.	generat	es footp	int
of 11 billio	on kilograms	lt n	ot only	ria
deteriorate	climate,	but al	so increa	s es
the cost	160 OF 100 -112	production	Hence, fo	1 10
efficient	ogneullure,	energy (	consumption on	rust
La vaduse	do is in	and mis	dono 1	3(1
Not just	energy	consumption	, water sh	ould
also be	conserva	ed. Harrenn	ture 15 0	n.e
of the	most	water-inte	ensive sec	tox
globally,	and especia	uys in	Pakiston	1
The unsu	ustain able	use of	water	
for Farm	ning has	led t	o dwindsi	ng 1
water tab	les and	water	Scarcify The	11 - 2
traditional	system of	looding	mus!	-04
Jabelinia d	iscouraged	to conse	erve wat	
9th res	ulted in	Voss	neave	-
amount	of water	Wat In	transpiration	0.
Drip	and sprin	nkling	system mi	181
be ens	sured for	vegetab	a concide and	lox
Grehards	Hoby cons	00 5000	Libban ,	all's
	tional cro			
	Should			
refrains	e todis	tradition	al planahin	
1 CTS WIIS	ing the	0010	before	0
and at	involves	direntou	dalling	Mile
C10 P8 - 01				-
l coada in	the untilla	d mail	t soil.	1 th

The benefits of this technique are manifold, with one of the most	
significant being water conservation. Thus, water	
conservation is essential for agricultural	
growthi in future	
Also, agricultural decline can also be	
countere de by using modern technology	
in agriculture: Modern technology guarantees	1
improve agricultural productivity. The importance	3
Of the training productivity the importance	
previously highlighted up by stakehousers.	
Former Prime Minister Imran Khan said	
that, introduction to f modern technology wand	
provision of all posible facilities for the	
farming community are among top priorities	
of the government Moder technology	
In agriculture is necessary to	
competer with worldwite standards Pakistan	
is now now loggin go behind soits regional	G.
peers in therms regulatof pais agricultural	
production According to Ayuto . Agriculture	
Research Institute (AARI) China cols getting	
39 moulds of wheat permacre, which	
is the highest average production in	
the world, while Pakistan's wexage per	
acrembyield is 26 maurias. Pakistan	
has good carable lands but farmers	
lack to the resources to needed to	
switch modern intechnology The	
advanced devices dallow agriculture to be	
more efficient; profitable and safer So,	-
Pakistan dearly need modern technology to confront agricultural idectine.	-

	technology and techniques can
only	be used by educating, and
	former Pakistani farmers
lack	the basic knowledge majority
of	them are so illiferate to
read	method or prescription on the
label	of pesticide bottle They sare
	Familiar with advanced methods
and	techniques is used houring agriculture
They	used decades old practices,
<u>which</u>	they acquire from their
	They must be given knowledge
	using sensors, data analysis, and
	ution to optimize water use fertilizer
applica	tion and pest control They should
	have the exposure to go
beyon	d traditional crops and explor
high	value options like Fruits, vegetables
	cash crops his can be done
by	providing farmers with direct access
- toutho	experts; workshops, demonstration plat,
online	platforms and farmer grows.
There to	ore, enhancing knowledge and exposure
of.	farmers is necessary to counter
- agricul	tural alective and along the add
Hlso,	storage facilities must be enhanced
tor	conservation of crop for long
hime.	Some fruits and vegetables
Canno	t sustain the environmental
sever	ity for long time, and began
to	rol Since agricultural farms.
are	situated: fari away from
market	ts, and roads and transportation

does not allow its timely transfer.	
9t give rise to the necessity	
	-
of cold storage facilities cold	
storage facilities conserve the	
fruits for long time in desired	
temprature 9t prevents the waste	
of food and vegetables. According	
10 lepoits, Pakistan experiences	
significant post-harvest losses, estimated	
at ground 30.40 percent for fruits and	
vegetables. The cold storage ensures	
less produce goes to waste leading	
to increased food availability and	
9n this way, cold storages prevent the losses in agriculture.	
the losges in agriculture.	
Lastly, the public private partnership	
must be ensured to confront the	
decline. Neither public, nor the people alone can sustain	
agriculture 9t needs mutual and	
dedicated approach from their	
dedicated approach from both sectors.  Government can provide subsidies	
and polices, but a lot of	-
reference of the land of the Darking The	
cooperation from both sides can	-
address the decline in production	
and competitiveness Public private	
	-
partnership can help investment in	-
infrastructure Public funds can be	
leveraged to affract private	
investment in irrigation systems, cold	
leveraged to attract private investment in irrigation systems, cold storage facilities, rural roads, and logistics networks. The partnerships can	
logistics networks. The partnerships can	

also promote market linkages between	
farmers and private buyers, leading	_
to fairer prices and better	_
market access to capital for	_
small holder farmers. Hence, the	
uplift of agricultural sector is	_
possible only by contribution from	
both public and private sectors.	
n a nutshell, one	
may say that, being an agricultural country, Pakistan has vast resources.	
But its agricultural force has been	
paralysed by numerous challenges.  9ts per capita availability has	
dipped to an alarming leel tarmers	
Technology and distributes old methods	
Technology and digitalisation is hard to find in the country Roads and	
transport have perilous situation to	
ensure market acces of farmers Prices	
of fertilizers, pesticides and other	
agricultural inputs have dwarf the	
power of farmers to cultivate climate	•
has wrecked the agricultural sector	
especially in the floods of 2022.	
Agricultural decline is visible from	
the economic decline in recent	
months. When economic growth does not	March Cont.
months. When economic growth does not reach the expected level Pakistani	-
population is also taking shortage	-
of food, which is now being	
imported Decline in agriculture has	-
imported Decline in agriculture has hardly fully hit the poor farmers,	and the same of th

causing	Surge in marky
Social	surge in poverty and inequality. It has also determined the progress of industrial
cripple	d the provide of its
Sector.	Certain measures are necessary
to	counter this agricultural decline
The	main policies are provision of
subsidie	is and loans to farmers Also,
replaci	ng energy consumption consumption :!!
clean	energy consumption sources with energy can increase production
and	decrease the expenditure Drip
_and_	sprinkling techniques much
used	sprinkling techniques must be for orchards, and zero tillage
techni	ique for tradition crops Farmers
must	be trained by arranging
workshi	ops and demonstration portion in the
of.	both public and private sector
18	both public and private sector  essential to address agricultus
Cique	ng s rakistari shouta focus on
agricul	tural growth Developed nations
alway	s prioritise their agriculture. Forme
Tresid	lent of United States, Thomas
Jel Les	son said, "agriculture is our wisest, because it will in the end bute most to real wealth, good and happiness.
pursur	the end
CONCYL	and harringer wealth, good
	una nappiness.
4	
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	Good
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	** On case of age with a All the first out a consequence of a consequence