

OGTPs of West-Central Dzongkhags

OGTP 3: Asparagus

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Programs
								Supply of seeds	MoA/06
Wangdue	Nahi	76	228	MT/Year	Wangdue	Thimphu	Individual farmers	Farmers training on asparagus cultivation'	MoA/06
								Supply of seeds	MoA/06
Tsirang	Phuentenchhu	0	50	MT/Year	Thimphu & Gelephug	Local	Burichu, Dhansiri, Changay & Melay Chiwogs	Supply of packaging materials;	MoA/06
								Farmers training on asparagus cultivation'	MoA/06
								Supply of seeds	MoA/06
Punakha	Chhubu	0	9	MT/Year	Khuruthang	Thimphu	15hhs	Farmers training on asparagus cultivation'	MoA/06
								Supply of seeds	MoA/06

OGTP 5: Chili

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Wangdue	Kazhi	135	250	MT/Year	Thimphu & P/ling	Wangdue	Kazhi gendey lembee	Supply of disease resistant variety	MoA/05
								Value addition technology and estab. Of rural processing enterprise	MoA/02
								Make chemical supply efficient	MoA/03
								Determine alternative lucrative markets	MoA/27
Wangdue	Dangchhu	36	50	MT/Year	Wangdue	Thimphu	Dangchu	Construction of farm road	MoA/10
								Provide training on pest and disease mgt.	MoA/03
								Construction of green house/polly tunnel technology and supply of materials	MoA/06
								Provide dryer, training on drying and packaging	MoA/02
Wangdue	Ruepisa	220	250	MT/Year	Thimphu, Paro, P/ling	Wangdue	Palokha, sonam yargey, kuenphen tshogpa, Naylaykha	Renovation of existing irrigation channel, supply of pipes & accessories for establishment of drip irrigation	MoA/04
								Supply of hybrid seeds	MoA/05
								Nursery raising facilities	MoA/06
								Adequate and reliable supply of	MoA/03

								chemicals	
Tsirang	Tsirangtoe	8	20	MT/Year	Thimphu, Punakha, Paro	Local	Dauthrey & Kapashing Chiwogs	Assessment and estimate preparation	MoA/06
								Training of farmers in improved cultivation and management practices	MoA/06
								Group mobilization	MoA/27
								Identify the collection site and construct storage cum collection points	MoA/02
Wangdue	Phangyuel	60	120	MT/Year	Thimphu	Wangdue	Chungsekha, Phangyul & Gemkha	Training on disease management	MoA/03
								Supply of improved seed	MoA/05
Wangdue	Daga	30	40	MT/Year	Wangdue	Thimphu	Gebakha, wagana, uma khatoe, Uma khome	Supply of materials	MoA/06
								Training	MoA/06
								Market support	MoA/27

OGTP 9: Maize

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Dorona	350	750	MT/Year	Self sufficiency		2 chewogs – Sanu and Thulo Dorona; 40 HH	Timely provision of suitable improved varieties	MoA/05
								Training on improved composting	MoA/09
								Better use of FYM, introducing legume mixes etc	MoA/09
Punakha	Toewang	40.23	45	MT/Year	Khuruthang	Thimphu/other Dz	200hhs	Training & Demonstration/ Nursery materials for store	MoA/06
Punakha	Kabjisa	169	210	MT/Year	Punakha	Thimphu/ Wangdue	Serigang, Wakudamchi, Zebisa	Training of IPM	MoA/03
								Availability of PP chemicals & sprayer	MoA/03
								Cold storage, transportation packaging materials(crates) and dryer	MoA/02
Punakha	Guma	65	70	MT/Year	Punakha	Wangdue& Thimphu	Guma Geog	Renovation of irrigation channels	
								Training on cultivation	MoA/06
								Supply of free improved seeds	MoA/05
								Supply of PP inputs & training on pest & disease mgt.	MoA/03
Wangdue	Athang	35	70	MT/Year	Dzongkhag, Basochu, Kamichu,	Khuruthang, Thimphu	Zawa, Jarugang, Samthang	Supply of material and equipments free from Dzongkhag and other	MoA/06

					Wangdue				
								Explore potential markets	MoA/27
								Training on early chili production	MoA/06
								Training on blight management	MoA/03
								Budget provision short-term course on blight management	MoA/03
Punakha	Chhubu	90	100	MT/Year	Khuruthang/Wangdue	Thimphu/P/ling	120hhs	Training of IPM	MoA/03
								Availability of PP chemicals & sprayer,	MoA/03
								Cold storage, transportation, packaging materials(crates), dryer	MoA/02

OGTP 11: Mandarin Orange

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Tsirang	Mendregang	296.7	400	MT/Year	India and Bangladesh	Thimphu, Gelephu	Farmers	Good packing materials	MoA/02
								Training on proper harvesting method	MoA/02
								Field visit and pest control recommendations	MoA/03
								Training on water harvesting method	MoA/04
Dagana	Khipisa	18.83	88.83	MT/Year	Export	Processing(Local)	6 Villages	Grafted seedlings (50% cost sharing)	MoA/05
								Supply of PP Equipment(Gator sprayer, and power sprayer), Basin preparation, Pruning, Fertilizer &chemical application, etc	MoA/06
								Training – pruning, training, basin preparation, etc.	MoA/06
								Soil Fer	MoA/09
Dagana	Deorali	160	240	MT/Year	West Bengal	Bangladesh	2 chiwogs of deorali and Homa (40 hhs)	Soil analysis	MoA/09
								disease diagnosis	MoA/03
								Training in modern orchard management	MoA/06
								Equipment supply	MoA/06
								Replacement of trees and grafting	MoA/06
Dagana	Dorona	126	250	MT/Year	India and Bangladesh	nil	2 chiwogs	Training on group formation, book keeping	MoA/27
								procurement of equipment	MoA/06
								pest manangement	MoA/03

Tsirang	Tsholingkhar	759	794	MT/Year	Bangladesh	Local/National	145 hhs Kapasay, Tsholingkhar, Harpay pani, Alaichey	To identify diseases, provide treatment and prevent diseases	MoA/03
								To supply quality citrus seedlings on time	MoA/05
								To facilitate the formation of farmers group	MoA/27
								To train farmers on proper management of citrus	MoA/27
								Facilitate coordinated marketing so that middleman	MoA/27
								Construction of roads for easy access to markets	MoA/10
Dagana	Lhamoy Zingkha	135	150	MT/Year	West Bengal	Bangladesh	One Chewog 30 villages	Training and Chemicals for control of greening and other P and Ds,	MoA/03
								Orchard management, nursery management, budding and grafting etc	MoA/06
								Provision of irrigation channels	MoA/04
								Training in group management book keeping etc	MoA/27
								new road in 11 th plan	MoA/10
Tsirang	Barshong	397	1000	MT/Year	Bangladesh (Export)	National	Farmers	Renovation of existing road	MoA/10
								Training of farmers on Pest Management	MoA/06
								Make pesticides available in the geog center	MoA/03

OGTP 13: Mung bean

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Drukgyalgang	3	20	MT/Year	Export	Regional/national	Focused villages	Supply of quality seeds	MoA/06
								Training on seed selection and post harvest management,	MoA/02
								Market information to be made availabl	MoA/27

OGTP 14: Mushroom

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Programs
Wangdue	Theedtsho	0.1	0.5	MT/Year	Thimphu	Wangdue	Geog	Supply spawn	MoA/06
								Trg. On cultivation/PH handling, Supply packaging material	MoA/06

Punakha	Kabjisa	0	3	MT/Year	Punakha	Thimphu	10hrs	Training of cultivation/ management, Mushroom production input like wax, rosin, shed etc., Drying, packaging,	MoA/06
								Permits for billets for more than 1000 billets to be given at Dzongkhag level	MoA/22

OGTP 16: Organic Vegetable

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Gasa	Goenkhamé	0	3	MT/Year	Within Dzongkhag	DSC & others	Jabesa village	Study tour for farmers on seed production and processing technologies	MoA/07

OGTP 17: Passion Fruit

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Gozhing	1	16	MT/Year	IFPP	Regional/national	Upper & lower Goshi 20 hh	Provide GI wire (4mm, 71kg x20hh)	MoA/06
								Supply fertilizers (suphala 250 kg)	MoA/03
								Provide training on various aspects of passion fruit production	MoA/06
Dagana	Tsendagang	0	16	MT/Year	IFPP	National/regional	Norbudingkha/gangzur	Staff and farmers training	MoA/06
								Inputs supply	MoA/06
Dagana	Trashiding	0	17.5	MT/Year	Agro & IFPP	Local, IFPP	Lower Trashiding	Provide GI wire (1400 kgs for one year, 4mm size) for trellis	MoA/06
								Provide training on fruit management training & group formation	MoA/06
								Supply fertilizers (suphala 500 kg for 20 hh) & PP chemicals	MoA/03
Dagana	Tsangkhá	45	1000	Plants	Export & Processing Plant Dagapela	Processing(Local)	Bathekha Village 10 HHS and Sonamji 10 HHS	Supply of GI wire	MoA/06
								Supply of Fertilizers	
								Management training	MoA/06
Dagana	Kana	180	2000	Plants	Processing (Dagapela)	Fresh market	2 villages, (40 households)	Supply of GI wire	MoA/06
								Supply of Fertilizers	MoA/03
								Management training	MoA/06

OGTP 18: Peas

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Wangdue	Gase Tshogom	273.267	523.5	MT/Year	Wangdue Punatshangchu	Thimphu	Individual farmers	Supply of quality seeds	MoA/06

OGTP 19: Potato

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Wangdue	Gase Tshogom	1396	3141	MT/Year	Wangdue Punatshangchu	Thimphu	Individual farmers	Supply of quality seeds	MoA/05
								Training of farmers in pest and disease management and in post harvest practice	MoA/06
								Compensation measures/ incentives for farmers due to production loss from wildlife destruction	
Dagana	Lajab	105	200	MT/Year	Export	Local	2 villages(Cipa & Achephu)(30 households)	Potato blight and red end management, Potato Production	MoA/06
								Supply of good seeds	MoA/05
								General postharvest handling	MoA/02
Dagana	Gozhing	1000	1784	MT/Year	DHPC	Regional/national	Sherpalakha & Dogak -6 HH	Timely supply of seeds and seedlings	MoA/05
								Technical backstopping	MoA/06
Dagana	Tseza	57	150	MT/Year	Export	Local	3 villages(50 households)	Potato blight and red end management	MoA/03
								Potato Production	MoA/06
								Supply of good seeds, General postharvest handling	MoA/05
Wangdue	Kazhi	388	600	MT/Year	Thimphu & Phuentsholing	Wangdue & Punakha	Bjatoe Lenbi	Supply of certified seed	MoA/05
								Training on control diseased/ weeds	MoA/03
								Form group to improve potato marketing	MoA/27
Wangdue	Bjena	1653	1884	MT/Year	Wangdue, Thimphu	FCB P/Ling	Bjena geog	Replacement of degenerated seeds	MoA/05
								Farmers training and on-farm trial	MoA/06
								Look into other market, possibilities of processing and marketing of products	MoA/27

								(Potato Chips)	
								Train and create awareness on importance of grading	MoA/02
								Effective control method to reduce wil	MoA/03
Wangdue	Dangchhu	335	600	MT/Year	Wangue	P/ling	Dangchu	Construction of farm road	MoA/10
								Provide training on pest and disease management	MoA/03
Punakha	Dzoma	43.46	70	MT/Year	Khuruthang	Thimphu	Dzomi Geog	Supply of malathion dust and fungicides	MoA/03
								Supply of improved/diseased resistant/ high yielding seeds	MoA/05
								Training on use of agrochemicals/pest and disease management	MoA/03
Tsirang	Dunglagang	180	200	MT/Year	National	Locally	20 hhs Lalikharka, Gopini, upper knorsaney	Quality seeds should be supplied on time	MoA/05
								Provide free seeds and fertilizers	MoA/05
								Farmer training on potato production and management	MoA/06
								Farmer group to be formed for proper coordination to improve marketing and book keeping	MoA/27
Dagana	Gaserling	359	450	MT/Year	India	Local	Tashithang & Phunsumgang	Training on improved production methods for both farmer & staff	MoA/06
								Funding support for seeds and chemicals	MoA/06
Wangdue	Nahi	144	200	MT/Year	Phuntsholin Auction Yard	Wangdue, Thimphu	Individual	Free supply of seeds to new farmers taking up potato cultivation	MoA/05
								Trial of prototype repellent, possible compensation for production loss	MoA/03
								Training farmers on cultivation technique, post harvest practices, farmers	MoA/06
								Construction of collection depot from roads	MoA/27
Gasa	Goenkhamé	23	35	MT/Year	Gasa Dzongkhag	P/Ling Auction yard	Jabesa & Yamena	Training on pest and disease management	MoA/03
Wangdue	Nyisho	332	550	MT/Year	Thimphu/Phuentsholing	Wangdue	Gangju, gelekha, kinzaling, nyishokha	Training on grower group formation, and on post harvest management	MoA/03
								Adequate supply of Yusikarp (variety)	MoA/05
Wangdue	Phobji	3366	5000	MT/Year	P/Ling	Wangdue, Punatshangchu/DSC	Radhi, Tangchey, Nimphey, Doksina	Training of farmers on blight management	MoA/03

								Supply of pure seeds	MoA/05
Wangdue	Sephu	1158	1544	MT/Year	India through FCB	DSC	Rukhubji and Busa, Bumilo	Supply better quality seeds	MoA/05
								Organize farmers cooperative of effective marketing of potato	MoA/27
								Institutf revolving fund with FCB	MoA/27
								Payment of compensation for the crop damaged by wild animals	MoA/06
								Reduce the cost of inputs through subsidy	MoA/06
								Farmers training and management on pro duction	MoA/06

OGTP 22: Rice

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Programs
Wangdue	Phangyuel	225	300	MT/Year	Thimphu	Wangdue	Whole geog	Constructiojn of irrigation channels	MoA/04
Wangdue	Nyisho	741.16	900	MT/Year	Thimphu	Wangdue	Whole geog with tieh exection of Ratshawog	Supply of imporved vairety	MoA/01
								Farmers training of post harvest managment & improved nursery raising	MoA/01
Punakha	Shengana	1195.2	1344.6	MT/Year	khuruthang	Thimphu	Shengana	Wild animal control	MoA/01
								Campaign on sochum weed	MoA/03
Punakha	Toewang	745.5891	885.0082	MT/Year	Khuruthang	Thimphu, Wangdue	285HHs	Supply of materials like cement, pipe for irrigation management	MoA/04
								Formation of WUA	MoA/04
Tsirang	Gosaling	204	260	MT/Year	Local	National	168 hhs: Lapsi Botay, Gari Gaon, Suntalay	Supply of power tillers, planters and thrashers	MoA/11
								Renovation of irrigation channels	MoA/04
								Train farmers on the use and maintenance of farm machineries	MoA/11
								Monitoring farm to identify, treat and prevent pest and diseases	MoA/03
								Production of green manure to improve so	
Punakha	Goenshari	487.5	500	MT/Year	Punakha	Thimphu	Whole Geogs	Supply of Improved variety	MoA/01
								Support construction/renovation of channels	MoA/03
								Farm mechanization	MOA/11
Punakha	Guma	200	250	MT/Year	Punakha	Wangdue & Thimphu	Guma Geog	Supply of improved seed	MoA/01
Punakha	Dzoma	721.2666	949.035	MT/Year	Khuruthang	Thimphu	Dzomi Geog	Supply of NC 11	MoA/01
								Training and formation of WUA	MoA/04

								Supply of improved, quality, high yielding seeds	MoA/01
Punakha	Bapisa	1340	1675	MT/Year	Punakha	Thimphu, Punatsangchhup project	Baap geog	Renovation of existing irrigation channel in upper Lobesa	MoA/04
								Training & formation of WUA	MoA/04

OGTP 23: Seed Potato

Dzongkhag	Geog	Baseline	Target	TargetUnit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Wangdue	Gangte	1878.5	2000	MT/Year	DSC/potato farmers	P/Ling	(Gella-Tokha & Janchey, Gantey)	Pest and disease control- late blight control	MoA/03
								Training on potato seed production	MoA/06
								Supply of mother seed tuber	MoA/06
								Standardization of quality seeds	MoA/05
								Marteting support	MoA/27

OGTP 25: Vegetables

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Wangdue	Ruepisa	4	10	MT/Year	Thimphu, Paro	Wangdue	Ruchikha	Training on pest and disease control in nursery and seedling stage & improved chili production techniques	MoA/03
								Pest control Measure	MoA/03
Punakha	Bapisa	65	78	MT/Year	Metsina, Punakha, Wangdue	Thimphu, Punatshangchhu project	Euwakha, Chasa, septokha	Provide high yielding, disease resistant seeds	MoA/05
								Training of EAs & farmers on pest & disease mgt.	MoA/03
								Green house construction for early production of tomato seedlings	MoA/05
Tsirang	Semjong	100	200	MT/Year	National	Local	Bararay & Daragaon chewogs	Social and Environment Assessment	MoA/06
								Survey and Design	MoA/09
								Supply of good quality seeds	MoA/05
								Farmer training on : production & postproduction practices	MoA/06
								IPM	MoA/03
								Organic farming	MoA/07
								Rehabilitate irrigation channels	MoA/04
								Introduce drip & sprinkler systems. Explore water harvesting	MoA/04
Tsirang	Patale	13	18	MT/Year	Thimphu, Wangdue, Punakha	Local	Relangthang village	Renovate existing irrigation channels	MoA/04

								Introduce drip and sprinklers	MoA/04
								Supply good quality seeds on time	MoA/05
								Sensitize farmers on market information and potentials	MoA/27
								Training on good management practices	MoA/06
								Provide labour saving devices (farm machinery, tools & tec6hniqute	MoA/11
Tsirang	Beteni	1308	2507	MT/Year	Damphu	Sarpang, Galephu, Thimphu'	Farmers	Fund and suitable venue for management training of Cole crops production	MoA/06
Punakha	Toepisa	40	80	MT/Year	High way	Thimphu	Lemikha, Tokha & Gemkha	Conduction of selling sheds along the Punakha – Thimphu highway	MoA/27
								Enhance seed production for local variety	MoA/05
								Facilitate procurement of chemicals, spraying machine	MoA/03
								Training on seed production, crops management, grading, packaging, marketing	MoA/06
Punakha	Shengana	172.5	250	MT/Year	khuruthang	Thimphu	25hh	Wild boar, deer control	MoA/03
Punakha	Dzoma	20	40	MT/Year	Khuruthang	Thimphu	Dzomi Geog	Supply of malathion dust and fungicides	MoA/03
								Construction of green house for nursery raising	MoA/06
								Farmers group formation	MoA/27
								Supply of improved/diseased resistant/high yielding seeds	MoA/05
								Training on use of agrochemicals/pest and disease management	MoA/03
Wangdue	Thedtsho	226.5	4530	MT/Year	Thimphu	Wangdue	Geog	Supply of disease free seed	MoA/05
								Timely and adequate supply of PP chemcials	MoA/03
								Training on production & PH handling	MoA/06
								Make packaging materials available	MoA/27
								Explore lucrative market	MoA/27
Wangdue	Gase Tshowom	15	20	MT/Year	Wangdue Punatshangchhu	Thimphu	Tabjikha, Hebesa	Supply of flexible pipe, water cans	MoA/06
								Reserve stock of chemical for use when needed	MoA/03
								Quality seeds to be supplied	MoA/05
								Compensation mechanisms for production loss	MoA/06
								Marketing shed near Punatshangchhu project camp	MoA/06
								Exploration of markets	MoA/27

OGTP 27: Broiler

Dzongkhag	Geog	Baseline	Target	TargetUnit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Tsirang	Dunglagang	3.5	8	MT/Year	National	Locally	4 hhs khorsaney, bich gaon	Train farmer on poultry production techniques	MoA/16
								book keeping packaging	MoA/16
								Explore potential markets for chicken	MoA/16
								Identify reliable source for supply of DOC whenever required	MoA/15
								Make ice plant facility available	MoA/16

OGTP 28: Butter and Cheese

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Gasa	Laya	0.8	1.5	MT/Year	Punakha	Gasa & Wangdue	Herder group of Laya	Supply of packaging machine and materials, cheese cutter, labelling machine	MoA/17
								Leasing of Govt. land for pasture development	MoA/17
								Formation of groups among herders	MoA/17
								Study tour for farmers to expose on cheese processing (sikkim & Himachal)	MoA/17
Dagana	Tsangkha	36	72	MT/Year	Export	Processing (Local)	3 villages	Supply of Improved subtropical fodder (seeds and trees)	MoA/13
								Training to the farmers	MoA/16
Wangdue	Sephu	5	8	MT/Year	Wangdue	Thimphu	Rukhubji and Busa	Supply of dairy processing equipments for MPUs	MoA/16
								Supply of Breeding bulls, Mobile AI/mobility	MoA/15
								Leasing of govt. land for pasture development	MoA/13
Wangdue	Ruepisa	6.5	15	MT/Year	Wangdue	Punakha	Shelley	Silo and hay making facility for winter feeding, winter fodder seed supply (oats)	MoA/13
								Supply of equipment for processing unit	MoA/16
								Land leasing for pasture development	MoA/13
Wangdue	Phobji	10	20	MT/Year	Wangdue	Thimphu	Nimphey, Tangche, Kingathang, Gangphey, Wangjay	Reintroducing pasture development on Govt. land	MoA/13

								Induce proper feed and fodder utilization in peak season e.g Hay/ Silage making	MoA/13
								Product standardization, grading and packaging	MoA/16
Wangdue	Phangyuel	26.924	50	MT/Year	Wangdue	Thimphu	Phangyul & Chungsekha	LN2 supply	MoA/15
								Leasing of govt. land for pasture development	MoA/13
								Set up irrigation facilities, supply of good varieties of pasture seed and seedling	MoA/16
								Establishment of feed mill	MoA/13
Wangdue	Kazhi	1.6	2.5	MT/Year	Thimphu	Wangdue	Lembee, Komthrong	Supply of bulls in villages and mobile AI service	MoA/15
								Leasing of govt. land for pasture development	MoA/13
								Study tour/training to learn about advance methods of milk processing	MoA/16
Wangdue	Gangte	3	5	MT/Year	Thimphu	Wangdue	Gogona	Supply of improved pasture seeds, training to farmers on pasture land management organically	MoA/13
								Leasing of govt. land for pasture development	MoA/13
Gasa	Goenkhatoe	3.4	5	MT/Year	Gasa	Thimphu	GKDNT Tshogpa	Supply of brown Swiss and jersey breeds	MoA/15
								Leasing of govt. land for pasture development	MoA/13
								Establishment of milk processing units with equipment,	MoA/16
								Training on farmers on basic milk processing methods	MoA/16
Tsirang	Gosaling	10	13	MT/Year	Local	National	50 hhs : Lapsi botay, Suntalay, Garigaon	Develop existing land into pastures	MoA/13
								Training farmers on milk hygiene and dairy technology	MoA/16
								Construction of MPU with facilities like cold storage	MoA/16
Wangdue	Bjena	35	55	MT/Year	Wangdue	Thimphu	Bjena geog	Supply of Jersey for low land and brown swiss for high land,	MoA/15
								Supply of temperate and oat seeds, FTS seedling,	MoA/13
								Re-leasing of Govt. land,	MoA/13
								Silage and straw treatment	MoA/13

Tsirang	Phuentenchhu	1	5	MT/Year	Thimphu	Local	Burichu Chiwogs	Institute farmer friendly credit system to help farmers to procure Jersey cows;	MoA/16
								Supply processing and packaging equipment	MoA/16
								Supply adequate fodder seeds,	MoA/13
Punakha	Toewang	8	8.5	MT/Year	Khuruthang	Thimphu	Teowang (500cattles)	Necessary materials for storage	MoA/16
								Supply of pasture seeds	MoA/13
Punakha	Shengana	4.7	5.58	MT/Year	Lhagang	Punakha	7hhs	Supply of Oat seeds	MoA/13
								Supply of AI facility	MoA/15
								Land lease from GRF for pasture development	MoA/13
								Training on Hygienic packaging	MoA/16
Punakha	Kabjisa	4	5	MT/Year	Khuruthang	Thimphu	350hhs	Supply of AI facility	MoA/15
								Land lease from GRF for pasture development	MoA/13
								Training on Hygienic packaging	MoA/16
Punakha	Chhubu	6	10	MT/Year	Khuruthang	Thimphu	120hh	AI facility	MoA/15
Wangdue	Dangchhu	5	7	MT/Year	Nobding	Wangdue, Thimphu	Dangchu	Govt. land lease for pasture develoment	MoA/13
								Provide imporve breed at subsidized rate	MoA/15
								AI centre establishment	MoA/15
								Provide training on packaging and hygiene	MoA/16
								Supply of packaging materials	MoA/16
								Supply minerals and nutritious concentrate feed	MoA/13

OGTP 29: Chevron

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Gozhing	0.5	4.5	MT/Year	Local	Regional/national	Existing nos. of goat rearers in middle Goshi	Amendment of forest rules & regulations	MoA/22
								Research and identify breeds for shorter rearing duration	MoA/15
								Formulate goat rearing guidelines	MoA/16
								Conduct staff training on goat husbandry	MoA/16
								Conduct farmers training on goat farming	MoA/16
								Supply adequate numbers of breeding	MoA/15

OGTP 31: Eggs

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
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Punakha	Guma	5000	150000	Doz/Year	Punakha	Wangdue, Thimphu	Guma Geog	Supply of improved breed pullets	MoA/15
								Capacity building on poultry farming	MoA/15
								Construction of improved poultry sheds	MoA/16
Tsirang	Kikhorthang	15600	39000	Doz/Year	National	Locally	10 hhs salami, bokray, menchena, majwa	To train farmers on poultry management	MoA/16
								Monitor, identify and prevent diseases,	MoA/14
								To supply required birds on time	MoA/15
								To make quality feeds available readily	MoA/16
Punakha	Talo	18545	8333.333	Doz/Year	Punakha	Wangdue & Thimphu	Talo Geog	Adequate supply of improved breed pullets	MoA/15
								Training on group formation	MoA/16
								Training on poultry production and management	MoA/16
								Supply of incubator, training on the use of incubator	MoA/15
Punakha	Goenshari	4166.667	5833.333	Doz/Year	Punakha	Thimphu	Whole Geogs	Training	MoA/16
								Vaccine available on time	MoA/14
Tsirang	Tsirangtoe	375	6500	Doz/Year	Thimphu	Local	Dauthrey & Kapashing Tsirangtoe Chiwogs	Training on poultry management	MoA/16
								Supply of inputs	MoA/15
Punakha	Toepisa	36500	73000	Doz/Year	Thimphu	Local	Menchina, Tserina & Thinleygang	Adequate supply of DOC & pullets depending on the demand of farmers	MoA/15
								Adequate supply of feeds to meet the increasing requirement of poultry	MoA/15
								Training on poultry farming,	MoA/16
								Disposal method and initiatives	MoA/16
Tsirang	Semjong	667	20830	Doz/Year	Thimphu,	Local (Chachey & Damphu)	Daragaun, Katikey, Bararey chiwogs	Training on poultry management	MoA/16
								Timely supply of adequate pullets, feeders, drinkers and packaging materials	MoA/15
Wangdue	Athang	550	750	Doz/Year	Wangdue	Thimphu	Athang, Zaw and Jarigang	Packaging material	MoA/15
Punakha	Bapisa	317	30416	Doz/Year	Metsina	Punatshangchhu	Gamaluma, Eusokha	Adequate supply of DOC & pullets depending on the demand of farmers	MoA/15
								Training on poultry farming, Training on group formation and Study tour for farmers	MoA/16
								Financial support for shed construction	MoA/16
Dagana	Lajab	900	1675	Doz/Year	Local		13 hhs	Supply of adequate numbers and timely replacement of pullets	MoA/15
Tsirang	Mendregang	4050	27000	Doz/Year	Damphu	Thimphu	Poultry farmers	Supply of adequate numbers and timely replacement of pullets	MoA/15
								Control price fluctuation	MoA/16

								Training and study tour	MoA/16
Wangdue	Thedtsho	0	16666	Doz/Year	Thimphu	Wangdue	Geog	Training on poultry management	MoA/16
								Supply healthy pullets	MoA/15
Wangdue	Nyisho	202	18333	Doz/Year	Thimphu	Wangdue	Gelekha and Chimtseley	Farmers training on egg production & feed formulation	MoA/16
								Supply of healthy pullets	MoA/15
Wangdue	Nahi	1833	4166	Doz/Year	Wangdue	Thimphu	Individual farmers	Supply of pullets, eggs tray, feeders	MoA/15
								drinker free of cost to farmers at the initial stage	MoA/15
								Housing support(wire mesh, cement, CGI sheets)	MoA/16
								Establishment of commission agents in the locality	MoA/16
								Training of farmers on poultry management	MoA/16
Wangdue	Gase Tshowom	482	1250	Doz/Year	Wangdue Punatsangchhu	Thimphu	Individual farmers	Supply of pullet	MoA/15
Wangdue	Daga	500	600	Doz/Year	Wangdue	Thimphu	Gebakha, wagana, uma khatoe, Taksha sili	Housing support in terms of cement, wire mesh, CGI sheet etc to ward of wildlife attacks/ kills and to improve hygiene and training in poultry Mgt	MoA/16
Dagana	Tsendagang	10800	153600	Eggs/Year	Thimphu	local	10 Poultry farmers	Supply of improved pullets	MoA/15
								Training for both farmer & staff on proper farm management	MoA/16
								Supply of watering & feeding equipments	MoA/15
								Funding support for other inputs	MoA/16
Dagana	Tsendagang	0	1883.333	Doz/Year	IFPP	National/regional	Norbuzingka/Gangzur	GI wire (4mm) 71 kg x 20 hh for trellis establishment	MoA/16
								Training & Technical backstopping	MoA/16
Dagana	Kana	3166.667	4166.667	Doz/Year	Local	Thimphu	Farmers(6 Villages)	Supply of pullets in subsidized rate	MoA/15
								Supply of concentrated feed, CGI, wire mesh	MoA/16
								Poultry management training	MoA/16
Dagana	Khipisa	870.5	1750	Doz/Year	Local		50 hhs	Supply of pullets in subsidized rate	MoA/15
								Supply of concentrated feed	MoA/15
Gasa	Goenkhamé	833.3333	1666.667	Doz/Year	Within geog	Gasa	Khamoe geog	Supply of pullets as per demand	MoA/15
								Wire mesh, feeder	MoA/16
								Training of farmers on poultry management	MoA/16
Dagana	Trashiding	3720	6613.333	Doz/Year	Thimphu	Local	Tashiding & Namchela	Management Training for selected farmers	MoA/16
								Supply packing materials , candling equipment	MoA/16
								Provide shed construction materials - wire mesh, nails, CGI sheets, Cement	MoA/16
								Supply adequate nos of pullets	MoA/15

OGTP 34: Fish

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Tsirang	Patale	0.5	1.5	MT/Year	Thimphu, Wangdue, Punakha	Local	Fish Farmers' Group of Patale Tar and Gonday Tar	Change parent stock	MoA/15
								Refresher training on management	MoA/16
								Make or improve ponds as per the standard	MoA/16
								Training on group formation	MoA/16

OGTP 37: Piglets

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Tseza	18	1215	Piglets	Dzongkhag	National	3 Villages 9 farmers	Supply of 9 nos of boars and 27 sows	MoA/15
								Supply concentrated feed	MoA/15
								Farmers Training	MoA/15
								Supply feed formulation equipment	MoA/15
Dagana	Drukgyalgang	500	8000	Piglets	local	regional	selected interested farmers	Provide materials for shed construction	MoA/15
								Supply improved breed	MoA/15
								Training	MoA/15

OGTP 38: Pork

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Tsangkha	3.4	10	MT/Year	Export Local	Processing (Local) Wangdi	Gaylaychu (17 household)	Supply of improved breed	MoA/15
								Farmers training	MoA/15
Dagana	Lhamoy Zingkha	3	20	MT/Year	Dungkhag	Regional/ National	4 Chewogs, Farmgang, Sibsooni, Daragang, Majigang 40 HH	Enterprise loan scheme to farmers for establish piggery farm and stock	MoA/16
								Timely supply of 80 piglets per year	MoA/15
Wangdue	Daga	1	1.5	MT/Year	Wangdue	Thimphu	Gaybhakha, Wogana, Taksha/Silli	Piglets supply and transportation	MoA/15
								Poultry and piggery production	MoA/16
								Technical support	MoA/16

								Training of farmers on poultry management	MoA/16
								fund the study tour	MoA/16
Tsirang	Rangthangling	8.4	13	MT/Year	Thimphu	Damphu	Pork Farmers and farmers group	Adequate numbers of piglets to be supplied	MoA/15
								Regulate feed price	MoA/13
								Refreshers training and information on proper pig management for farmers and geog Eas	MoA/16
Tsirang	Barshong	8	16	MT/Year	Damphu	Mendrelgang	Farmers	Material supply (e.g. cement, sand)	MoA/15
								Technical support to produce local feeds	MoA/13

OGTP 39: Broom Grass

Dzongkhag	Geog	Baseline	Target	Unit	Primary Market	Secondary Market	TargetProducers	Activities	Program
Dagana	Lhamoy Zingkha	0	4000	Bundles	Siliguri and West Bengal	Thimphu	300 HH, from one Geog, Later to expand to two more Geogs	Local issue of permits to collect broom grass from the forests	MoA/19
								Locating best markets for the brooms	MoA/19
								Farmers Group formation	MoA/19
								Book keeping training etc	MoA/19
								Encourage farmers to plant broom grass as part of soil conservation.	MoA/19

OGTP 42: Cordyceps

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Trashiyangtse	Bumdeling	30	30	Kgs/Year	Open country		Shingphel, tarpel	Research, training, and monitoring	MoA/19
								Market support	MoA/27
Gasa	Laya	45		Kgs/Year	Auction market in Damji	others	Seven chiwogs of laya geogs	Training and awareness campaign on sustainable harvesting of cordyceps	MoA/19
								Awareness training on quality control and standardization of cordyceps	MoA/19
								Supply of storage equipment and packaging facilities to maintain the quality of cordyceps	MoA/02
								Group formation of cordyceps harvest	MoA/27
Gasa	Lunana	56.82		Kgs/Year	Auction market in Damji	others	8 Chiewog	Training and awareness campaign on sustainable harvesting of cordyceps	MoA/19
								Awareness training on quality control and standardization of cordyceps	MoA/27
								Patrolling support from other military unit	MoA/22
								RBA during cordyceps season	MoA/22
								Group formation of cordyceps harvest	MoA/27

OGTP 45: Fodder Seeds

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Punakha	Lingmukha	1	5	MT/Year	Punakha	Bumthang	Limbukha(30hhs)	Improved seeds	MoA/13
								Subsidy to transport to NFFDP	MoA/13

OGTP 46: Incense

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Gasa	Laya	0	5	MT/Year	Punakha	Thimphu & Wangdue	Sangazay Tshogpa in Laya	Training on sustainable harvesting of shrubs	MoA/18
								Training on formulation and processing of sangzey by seeking consultancy from local incense manufacturer	MoA/18 & 19
								Grinding and mixing machine to process sangzey	MoA/11
								Exploration of market outside the country	MoA/27

OGTP 49: Medicinal and Aromatic Plants

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Gasa	Goenkhatoe	0.02	0.04	MT/Year	MAP	ITMS	Chieogs of Khatoe	Training on packaging and grading of ruta,	MoA/19
								Supply of Packagaing and storage material support	MoA/19

OGTP 50: Medicinal Fruits

Dzongkhag	Geog	Baseline	Target	TargetUnit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Programs
Wangdue	Athang	3	5	MT/Year	Thimphu	Third country	Samthang, Rukha, Lawa, Lamga, Nazhina	Give technical support to farmers and extension	MoA/19

OGTP 51: Nya Dotshem

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Progamr
Wangdue	Athang	1.5	4	MT/Year	Wangdue	Thimphu	Rukha, Lawa, Lamga and Samthang	Free supply of fingerlings from Dzongkhag	MoA/16
								Technical support to Extension and farmers	MoA/16
								Nursery establishment/ fry nursery	MoA/16
								Supply vacuum packaging or cool boxes	MoA/16

OGTP 52: Sapindus

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Nichula		40	MT/Year	India		all geog farmers	Devolution of permit to local authorities	MoA/19
								assessment for suataibnable harvesting	MoA/19
								group forma tion and triaing	MoA/19

OGTP 53: Spices

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Nichula	0	1.5	MT/Year	India		3 FGs, approx. 150HH	Allow local decision making for issuing permit	MoA/18 & 19
								Construction of drying and storing facilities	MoA/02
								Training on Book keeping, group formation and management,	MoA/27
								drying, Packaging, Harvesting techniques	MoA/02
Dagana	Deorali	0	1.5	MT/Year	India		3 FGs, approx. 150HH	Allow local decision making for issuing permit	MoA/18 & 19
								Construction of drying and storing facilities	MoA/02
								Training on Book keeping, group formation and management,	MoA/27
								drying, Packaging, Harvesting techniques	MoA/02

OGTP 54: Timber and Firewood

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
Dagana	Lajab	400	4000	Nos	Dzongkhag(SLM)	National	Land Management Group	Free supply of tools(pipes, watering can, Seiving net, etc),	MoA/18
								Training on Nursery development	MoA/21
								Procurement of seeds	MoA/21
Punakha	Toepisa	0	0	MT/Year	ITMS, Local market, Bio-Bhutan	India	Menchuna & Begana	Conduct detailed resource inventory of the species	MoA/18 & 19
								Maintain & make available, resource database to Dzongkha	MoA/20
								Conduct training on mgt,	MoA/19
								harvesting	MoA/19
								marketing of species	MoA/27
								Provide simple mgt. guideline to farmers	MoA/19

OGTP 55: Tree Seedlings

Dzongkhag	Geog	Baseline	Target	Unit	PrimaryMarket	SecondaryMarket	TargetProducers	Activities	Program
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Dagana	Tseza	0	20000	Nos	Dzongkhag(SLM)	National	farmers	Free supply of tools(pipes, watering can, Seiving net, etc)	MoA/18
								Nursery development Training	MoA/21
								Seed procurement	MoA/18

OGTP Summary for the region

Product	No. of Geog					Total
	Wangdue	Punakha	Gasa	Tsirang	Dagana	
Asparagus	1	1	0	1	0	3
Chilli	5	-	-	1	-	4
Maize	1	4	0	0	1	6
Rice	2	6	0	1	0	9
Mandarin	0	0	0	3	4	7
Passion fruit	0	0	0	0	5	5
Mungbean	0	0	0	0	1	1
Mushroom	1	1	0	0	0	2
Organic veg	0	0	1	0	0	1
peas	1	0	0	0	0	1
Potato	8	1	1	1	4	15
Seed potato	1	0	0	0	0	1
Vegetable	3	4	0	3	0	10
MAP	0	0	1	0	0	1
Medicinal fruits	1	0	0	0	0	1
broiler	0	0	0	1	0	1
Butter & cheese	8	4	2	2	1	17
Chevon	0	0	0	0	1	1
Eggs	6	5	1	4	6	22
Fish	0	0	0	1	0	1
Piglets	0	0	0	0	2	2
Pork	1	0	0	2	2	5
Nyadotshem	1	0	0	0	0	1
Fodder seeds	0	1	0	0	0	1

incense	0	0	1	0	0	1
Cordyceps	0	0	2	0	0	2
Broom grass	0	0	0	0	1	1
Sapindus	0	0	0	0	1	1
Spices	0	0	0	0	2	2
Timber & firewood	0	1	0	0	1	2
Tree seedlings	0	0	0	0	1	1
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Gewog OGTP Workplan (10 FYP)

Dzongkhag: Punakha **Gewog:** Shengana

Sl. No.	Commodity	Location	Baseline			Target			Constraints to achieve the target
			Acreage	No. of farmers	Pdn'	Acreage	No. of farmers	Pdn'	
1	Rice	All Chiwogs	350	150	1195 mt/yr	350	150	1345 mt/yr	Weeds (<i>Shochum</i>), Irrigation, wild animals

Note: For production, use units as appropriate.

Annual OGTP Workplan

Dzongkhag: Punakha Gewog: Shengana

Commodity: Rice

Sl. No.	Activity	Location	Quantity	Budget		Implem. Agencies	When	Year			
				Amount (Nu.)	Source			2010	2011	2012	2013
1	Supply of Shochum herbicide	All Chiwogs	4200 kg	4200000	MoA/03	EA/NPPC	May 10	✓	✓	✓	✓
2	Renovation of Irrigation channels	Scheme name	5 nos.	500000	MoA/04	EA/EngDiv	Nov-Mar	✓			
3	Sound & Light Repellent System establishment	Five locations	5 sets	100000	MoA/03	EA/NPHC	Aug-Sep	✓			

Annual OGTP Workplan

Dzongkhag: Punakha Gewog: Chubu

Commodity: Asparagus

Sl. No.	Activity	Location	Quantity	Budget		Implem. Agencies	When	Year			
				Amount (Nu.)	Source			2010	2011	2012	2013
1	Farmers trg	15 HH	1 no.	1800	MoA/06	EA/RDC	Feb	✓	✓	✓	
2	Supply of seedlings	15 HH	90000 nos.	630000	MoA/06	EA/DoA	Feb	✓			

Note : Sl,no. 1&2 are examples