

Advisory for Kharif Season in Uttarakhand

Crops	Area	Varieties	Sowing time
Rice	Tarai, Bhabhar & Plain	Narendra-359, HKR-47, PR-113 & 114, Pant Dhan- 10,12, 19, 24 & 26, Pant Sugandha Dhan-15,17 & 27, Pusa Basmati 1121, 1509, Pant Bansmati 1 and 2	Nursery sowing- 2 nd fortnight May to 1 st week of June Transplanting Time -June end to 1 st week of July
	Irrigated Hills	VL Dhan-85, Vivek Dhan-82, VL Dhan 68, Pant Dhan 11 & 12 , Pusa Bansmati 1509, Govind, VL 65	Mid hills (900 – 1500msl) Nursery sowing - 1 st Fortnight May Transplanting - 2 nd fortnight June High Hills (1500 msl and above) Nursery sowing - April 2 nd fortnight Transplanting - 1 st Fortnight June
	Chetki Dhan (Spring Rice)	VL Dhan 207, 208, 209 (Rain-fed Upland)	Mid March to 1 st fortnight April
	Jethi Rice	VL Dhan 154, VL Dhan 157 Direct seeded Jethi Rice	Jethi Rice (Direct Seeded) Last week May to 1 st week June
Maize	Tarai, Bhabhar & Plain	Sankul: Pant Sankul Makka-3 , Sweta, Bajora Makka 1, Vivak Sankul 11, Hybrid: H M 10, H Q PM 1, 4, Pusa HQPM5, Pant Sankar makka 1 & 4, Sartaj, P 3522, Bio 9544 Popcorn: Pant Popcorn 1, VL amber popcorn Fodder: African Tall	Mid June to Mid July
	Mid and High Hills	Sankul: Vivek Sankul Makka 31 & 35, Pragati, Kanchan Sweta, Naveen, VL Makka 37, Hybrid: Vivek Sankar, Makka39, 45,47, 53 & 55, HM 13, DMH 109, Vivak QPM 9,VL Baby corn1	Mid Hills - May end to Mid June High Hills –April end to Mid May
Urd	Tarai, Babhar and lower hills	Pant Urd 19, 31, 35, 40	3 rd Week of July to 1 st Week of August in plain. 2 nd fortnight of June in Valleys
Moong	Tarai, Babhar and hills	Pant Moong 2, 5 & 8	Last week July – 2 nd Week of August in plain. 2 nd fortnight of June in Valleys
Soybean	For Tarai and Bhabhar	PS 1225, 1347,24,26, 19	Last week of June – 1 st week of July
	For Hills	PS 1092, PS 25, VL Soya 59 & 63, VL Bhatt 65	Last of May – 1 st Fortnight of June
Mandua (Finger millet)	Hill	VL Mandua 352, 379, 324, 315	1 st Fortnight of June (1000msl); May end to 1 st Fortnight of June (1000-1500msl); 2 nd Fortnight of June (>1500msl)
Barn Yard Millet	Hill	PRJ1, VL Madra 172 & 207	June (Till 1000msl), End of May – 1 st Fortnight of June (1000-1500msl); 1 st fortnight of May (>1500msl)
Amaranth	Hill	PRA1, VL Chua 44	2 nd Fortnight of May – 1 st Fortnight of June
Buckwheat	Hill	VL 7	2 nd Fortnight May – 2 nd Fortnight June
Arhar	Plain and hill	Pant Arhar – 3 & 291, UPAS 120, VL Arhar 1, Pant Arhar- 6	Till Mid June in Plain Mid April – Mid May in hill
Gahat	Hill	VLG 15 & 19	1 st Fortnight June
Rajma	Hill	VL Rajma 63	2 nd Fortnight of June
Rice Bean	Hill	PRR1 & 2	2 nd Fortnight of May (High hills), 2 nd Fortnight of June (Mid hills)
Sorghum Fodder	Plain and hill	Pant Chari 6,7,8, CBSH 20 MF, CSH – 24 MF, Pusa chari Hybrid 106 & 109, COFS – 29, Mithi Sudan (SSG 59-3), Proagro, Sweet sorghum	Feb to July (Plain) On set of monsoon (Hill)
Vegetables		Variety	Sowing/transplanting

Tomato		Arka Rakshak, Pant T-3, Himsona, Naveen 2000, Naveen 2000+, Abhinav, Samrat, Rakshita Gold	April to June (Hills) June-July (Plains)	
Brinjal		Shaymali, Pant Samrat, Pant Rituraj, Pusa purple long, Pusa Anmol, Pusa kranti, Chaya, PPL 74	April to June (Hills) June-July (Plains)	
Chilli		Pusa Jwala, Pusa Sadabahar, Kashi anmol, Arka meghna, Agni, Sholder, Divya Jyoti	April-May (Hills) June-July (Plains)	
Capsicum		California wonder, Arka Gaurav, Arka mohini, Indra, Swarna, Ashwarya, Asha, Indum Bharat	April to June (Hills)	
Frenchbean		Phaguni, Vaishnavi, VL bony bean 1, VL bean-2, Pant Anupama, Arka Komal	April to June (Hills)	
Ginger		Reo-degenerio, Himgiri, Suprabha, Suruchi	April to May	
Turmeric		Pant Pitabh, Suvarna, Suguna, Prabha, Rajendra Sonia	April to May	
Okra		Parbhani Kranti, Kashi Pragati, Shakti, Sonal, Sarika,	May - June	
Bottle Gourd		Arka bahar, Pusa summer prolific long, Punjab komal, Punjab round, Pusa Naveen, Vinayak, Anokhi, Pant Loki 3, Varad,	April to May (Hills) June-July (Plains)	
Spongy Gourd		Pusa Chikni torai, Pusa Supriya, Kalyanpur hari chikni Lalit, Satya, Pant Torai-1	April to May (Hills) June-July (Plains)	
Ridge Gourd		Pusa Nasdar, Arka Suneet, Arka Sujata, Naga	April to May (Hills) June-July (Plains)	
Cucumber		Japanese long green, Poinsett, Pusa Udai, Sheetal, Pant Kheera 1, Malini, Champion	April to May (Hills) June-July (Plains)	
Bitter Gourd		Pant Kerala-1, Arka harit, Kalayanpur baramasi, Pali, Pragati	April to May (Hills) June-July (Plains)	
Horticulture				
Mango		Bombay Green, Langra, Dashehari, Chausa, Amrapali, Mallika, Ramkela	July –September Planting	
Guava		L 49 (Sardar), Pant Prabhat, Allahabad Safeda, Lalit, Shweta	July –September Planting	
Litchi		Rose Scented, Culcuttia, Late Bedana	July –September Planting	
Lemon		Pant Lemon 1, Hill lemon, kagji neebu	July –September Planting	
Jack Fruit		Pant Garima, Pant Mahima, Rudrakshi	July –September Planting	
Veterinary and Fisheries				
Foot and Mouth Disease Vaccination	Cattle, Buffalo, Sheep, Goat and Swine	FMD inactivated polyvalent vaccine	Cattle, Buffalo, Sheep 2 ml. Goat and Swine 1ml IM route	1 st dose at 4 month of age Booster at 6 month of age Repeat every 6 month interval Appropriate time: March-April and sep-October
PPR	Goat and Sheep	Live attenuated PPR vaccine	Goat and Sheep 1ml. SC router	1 st dose at 4 month of age Revaccinate once in 3 years
Hemorrhagic Septicemia	Cattle, Buffalo, Sheep, Goat and Swine	HS oil adjuvant vaccine	Cattle, Buffalo 3 ml Sheep, Goat, Swine and calves: 2 ml IM route	1 st dose at 4 month of age Booster repeated every year Appropriate time: Before rainy season (May-June)
Black Quarter	Cattle, Buffalo, Sheep, Goat	Polyvalent A B Q vaccine	Cattle, Buffalo 5 ml Sheep, Goat, : 2-3 ml SC route	1 st dose at 6 month of age Booster repeated every year Appropriate time: Before rainy season (May-June)
Internal parasite	De-worming	Every 4 month and 15 days before vaccination (as per advice of veterinary doctor)		
External parasite	Use contact and systematic anti ecto - parasitocidal drug as per advice of veterinary doctor			
Heat Stroke	Avoid grazing during day time (10 am to 2 pm), provide Normal clean Water, Hygienic condition and clean airy shaded area, Proper fodder and feed			
Fisheries	Plain	Provide 1 to 2 % feed for feeding according to fish weight, Use lime @ 200 Kg/ha/month, Maintain minimum 1.5 meter level of water, disinfect the net and other equipments before and after use, harvesting and marketing of old fish stock,		

		<p>Pond preparation: Use cow dung/compost @ 10 q/ha and filled the pond with water upto one meter followed by application of lime @ 200 kg/ha. After 15-20 days when pond water become green in color, stock fish seed of Rohu, Katla, mrigal, silver carp, common carp and grass carp species (4-6 cm) @ 6000-8000/ha .</p>
	Hill	<p>Provide 1 to 2 % feed for feeding according to fish weight, Use lime @ 2 Kg/100 sq meter/month, Maintain minimum 1.0 meter level of water, disinfect the net and other equipments before and after use, harvesting and marketing of old fish stock, Pond preparation: Use cow dung/compost @ 50 kg/100 sq meter and filled the pond with water up-to one meter followed by application of lime @ 2 kg/100 sq meter. After 15-20 days when pond water become green in color, stock fish seed of silver carp, common carp and grass carp species (4-6 cm) @ 250-300/100 sq meter .</p>