



TABLE: SOME HIGH VALUE HORTICULTURAL CROPS GROWN IN NE

Common Name	Botanical Name	State	Area Specificity	Varieties	Unique characteristics	Geo-climatic requirements
 <p>Passion Fruit</p>	<i>Passiflora edulis</i>	Mizoram	Aizawl (Saitual), Lunglei (Vanlaiphai), Chhimtuipui (Saiha Tuipang), Champhai district Total area: 820 Ha Production/ annum: 7900 MT	Yellow Passion fruit, Purple Passion Fruit	Organic by default	Tropical to subtropical climate, grows well up to 2,000m with a rainfall of 1,000–2,500mm annually, light sandy loam to heavy loam soils with a pH of 6–7. Soils should be well drained
		Nagaland	Wokha, Mokokchung, Phek, Dimapur, Kohima, Mon, Tuenchang, Zunheboto, Kiphire, Peren Total area: 680 Ha Production/ annum: 4760 MT	Yellow Passion fruit, Purple Passion Fruit	Organic by default	
		Manipur	Senapati, Churachandpur, Chandel, Ukhrul district Area: 7853 Ha Production: 63606 MT.	Yellow Passion fruit, Purple Passion Fruit	Organic by default	
		Meghalaya	Ri Bhoi, East Khasi Hills, West Khasi Hills, Jaintia Hills, Garo Hills districts	Yellow Passion fruit, Purple Passion Fruit	Organic by default	
Kiwi	<i>Actinidia deliciosa</i>	Arunachal Pradesh,	Ziro, West Kameng, Dirang and Lower Subansiri, Tawang, Upper Dibang Valley Area: 3027 Ha Production: 4540 MT.	Abbot, Allison, Bruno, Hayward, Monti, Tomuri	Organic by default	Requires 700–800 chilling hours below 7°C, grown at 800–1,500m above mean sea-level, well distributed rainfall of about 150cm/year is sufficient, pH slightly less than 6.9, deep, rich, well-drained sandy-loam soils
 <p>Kiwi Fruit</p>	Nagaland,	Kohima, Mokokchung, Phek, Zunheboto, Peren	Abbot, Allison, Bruno, Hayward, Monti, Tomuri	Organic by default		
	Meghalaya	Champhai of Mizoram, East Khasi Hills	Abbot, Allison, Bruno, Hayward, Monti, Tomuri	Organic by default		
		Sikkim	West district	Abbot, Allison, Bruno, Hayward, Monti, Tomuri	Organic by default	

		Mizoram	Champhai	Abbot, Allison, Bruno, Hayward, Monti, Tomuri	Organic by default	
Apple	<i>Malas sylvestris</i> (L)	Arunachal Pradesh, ,	West Kameng, Tawang, Lower Subansiri, East Kameng, Upper Siang, Upper Dibang Valley Area: 13866 ha Production: 30505 Mt / annum	04 nos of cultivars in addition to 01 no. of wild relative.	Organic by default	Requires 1,000–1,500 hours of chilling below 7°C during winter, average summer temperature should be around 21°–24°C during active growth period, Well-distributed rainfall of 100–125cm throughout the growing season, Loamy soils, rich in organic matter having a pH of 5.5–6.5 with gentle to moderate slope, proper drainage and good aeration
		Mizoram,	Champhai		Organic by default	
		Nagaland	Zunheboto, Phek, Kiphire Area: 0.04 thousand Ha		Organic by default	
		Sikkim	North Sikkim (Lachung), West Sikkim (Ribdi, Okhrey)	Sikkim wild apple	Organic by default	
Apple						
Pine Apple	<i>Ananas comosus</i>	Tripura	South Tripura (Kakraban, Matabari, Ampi), West Tripura (Teliamura, Sonamura, Mohanpur), North Tripura (Nalkatata, Kanchanpur, Pecharthal), Dhalai (Chowmanu, Ambassa) Area: 5180 Ha Production: 1.06 million tones.	07 nos. of cultivars are cultivated, queen cultivar is widely cultivated.	Organic by default	Optimum temperature for successful cultivation is 22°–32°C, growth ceases below 20°C and above 36°C, optimum annual rainfall is 100–150cm, soil depth of 45–60cm, soil pH of 5.0–6.0.
						
		Arunachal Pradesh	Lohit, Tirap, East Kameng, Papum Pare, Upper Subansiri, West Subansiri, West Siang, Upper Siang,	Kew, Giant Kew, Queen, Mauritius	Organic by default	

		East Siang, Lower Dibang Valley, Changlang Area: 11925 Ha Production: 66780 MT.		
	Assam	Kamrup, Karbi Anglobg, Cachar, Dima Hasao, Hailakandi Area: 14012 ha Production: 214899 MT.	Kew, Giant Kew, Queen, Mauritius	Jaldhup and Lakhat type pineapple found in Assam
	Nagaland	Mokokchung, Wokha, Kohima, Zunheboto, Dimapur, Mon, Tuenchang, Phek, Kiphire, Longleng, Peren Area: 3007 Ha Production/ annum: 55000 MT	Kew, Giant Kew, Queen, Mauritius	Organic by default
	Sikkim	North, West, East & South districts of Sikkim	Kew, Giant Kew, Queen, Mauritius	Organic by default
	Mizoram	Aizawl (Saitual), Lunglei (Vanlaiphai), Chhimtuipui (Saiha Tuipang), Champhai, North, South and West part of Mizoram, Chhimheipui Area: 3.7 thousand Ha Production: 57,000 MT	Kew, Giant Kew, Queen, Mauritius	Organic by default
	Manipur	Kangpokpi, Thoubal, Churachandpur, Imphal East, Bishnupur, Chandel Area: 8.8 thousand Ha Production: 78000 MT	Kew, Giant Kew, Queen, Mauritius	Organic by default
	Meghalaya	Ri Bhoi, East Khasi, Garo Hills, West Khasi Hills, Jaintia Hills Area: 11000 ha Production: 107000 MT	Kew, Giant Kew, Queen, Mauritius	Organic by default

Strawberry	<i>Fragaria vesca</i> L.	Meghalaya	Ri Bhoi, East Khasi Hills, West Khasi Hills, Jaintia Hills, Garo Hills Area: 0.10 thousand Ha.	1. .03nos of cultivars 2.Camarosa, Winter down, Festival, Sweet Charlie are common varieties.	Introduced	Temperate climate, well-drained medium loam soil, rich in organic matter, soil should be slightly acidic with pH from 5.7 to 6.5.
		Nagaland	Mukokchung, Kiphire, Kohima, Wokha, Tuensang, Peren, Mon, Zunheboto Area: Not available	Camarosa, Winter down, Festival, Sweet Charlie are common varieties		
		Assam	Kamrup, Goalpara, Kokrajhar, Chirang, Udalguri, Tinsukia, Karbi Anglong, Dima Hasao Area: 15.67 thousand Ha.	Khasi mandarin and other grafted varieties	Organic by default	
Mandarin Orange		Arunachal Pradesh	Basar, Along, Yazali, Bagara, Ziro, East Siang, East Kameng, Papum Pare, Kurung Kumey, Upper Subansiri, West Siang, Upper Siang, Lower Dibang Valley, Lohit, Anjaw, Changlang, Tirap Area: 39,046 Ha	Khasi Mandarin	Organic by default	
		Manipur	Tamenglong, Ukhrul, Churachandpur Area: 5.15 thousand Ha.	Khasi Mandarin	Organic by default	
		Meghalaya	Dawki, Nongiri, Mawlong, Umsning, Burnihat, Umling, Sesatgiri, Chandigiri, Jowai, Cherrapunjee Area: 8.60 thousand Ha.	Khasi Mandarin	Organic by default	

	Mizoram	Aizawl (Saitual), Lunglei (Vanlaiphai), Chhimtuipui (Saiha Tuipang), Champhai, North, South and West part of Mizoram, Chhimheipui, Kolasib, Tawitaw, Aizawl, Thingdawal Area: 13.51 thousand Ha.	Khasi Mandarine	Organic by default	
	Nagaland	Mokokchung, Wokha, Kohima, Zunheboto, Dimapur, Mon, Tuensang, Phek, Kiphire, Longleng, Peren Area: 6.10 thousand Ha	Khasi Mandarin	Organic by default	
	Sikkim	North Sikkim (Timbong, Samding, Lum), East Sikkim (Pandam, Packack, Mulukey, Khamdong, Sang, Sumin), South Sikkim (Sripatam, Ligmoo, Lingi, Turuk, Sumbuk Kewzing, Lingding, Tinglay), West Sikkim (Gyalshing, Kabirthing, Barthing, Martam Radhu, Hatheydunga, Chumbong, Zoom) Area: 10.28 thousand Ha.	Khasi Mandarin	Organic by default. Orange production in Sikkim have undergone drastic reduction in recent years due to the Greening disease, a worldwide phenomenon	
	Tripura	North & South Tripura (Kanchanpur, Killa, Amarpur), West Tripura & Dhalai (Tulashikhar, Longthorai Valley) Area: 6.30 thousand Ha.	Khasi Mandarin	Organic by default	