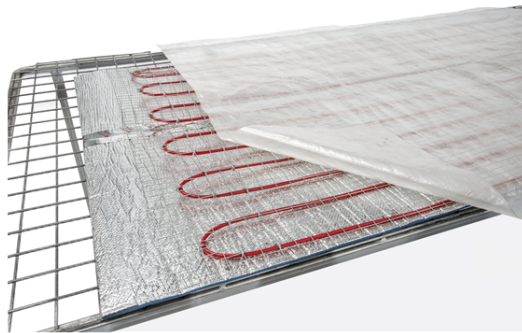
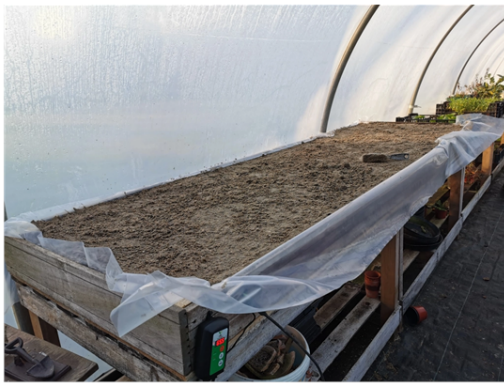


## Seed bed heating



With the increasing diversity in demand for vegetation being grown in glass houses, tunnel houses and hot houses, there is an ever increasing demand for mechanisms to enhance productivity. The electric heating of seed beds become increasingly popular for people wishing to grow products in out of climate environments and for horticultural businesses to gain better efficiencies.

Low wattage electric heating elements are installed in a sand bed (or similar) beneath the soil. The temperature is regulated by means of a close regulating electronic thermostat c/w a soil temperature probe.



### Benefits of heating seeding beds.

- An extended growing season.
- The ability to grow out of climate crops
- Increased crop productivity
- A better, faster and more reliable germination strike.
- More even germination and growth.
- Improved produce.
- Economics.

Both the DEVI DTIP10 (10W/m) and the DEVIDTIP18 (18W/m) are suitable elements for heating seed beds. Elements should be installed at a loading of 75 to 100 Watts for every square metre of seed bed.

W/SQM	Watts	QTY	DTIP-10 Code	Area (SQM)	DTIP-18 Code	QTY	Watts	W/SQM
100	100	1	01-140F1219	1	---			
103	205	1	01-140F1220	2	---			
97	290	1	01-140F1221	3	---			
98	390	1	01-140F1222	4	01-140F1238	1	395	99
101	505	1	01-140F1223	5	01-140F1239	1	535	107
100	600	1	01-140F1224	6	01-140F1239	1	535	89
99	695	1	01-140F1225	7	01-140F1241	1	680	97
99	790	1	01-140F1226	8	01-140F1242	1	820	103
102	920	1	01-140F1227	9	01-140F1242	1	820	91
99	990	1	01-140F1228	10	01-140F1242	1	820	82
90	990	1	01-140F1229	11	01-140F1244	1	1075	98
102	1220	1	01-140F1229	12	01-140F1245	1	1220	102
92	1200	2	01-140F1224	13	01-140F1245	1	1220	94
99	1390	2	01-140F1225	14	01-140F1246	1	1340	96
105	1580	2	01-140F1226	15	01-140F1246	1	1340	89
99	1580	2	01-140F1227	16	01-140F1248	1	1625	102
108	1840	2	01-140F1228	17	01-140F1248	1	1625	96
102	1840	2	01-140F1229	18	01-140F1248	1	1625	90
			---	19	01-140F1249	1	1880	99
			---	20	01-140F1249	1	1880	94

Control of the heating system is best done with either the following thermostats:

- 01-140F1080 DEVIreg 610 IP44 thermostat.
- 01-140F1064 DEVIreg 330 IP21 Thermostat.

The heating cables can be installed in conjunction with DEVIfast to ensure the element spacing is constant and the element cannot 'creep' in the soil bed.

RCD protection is required.