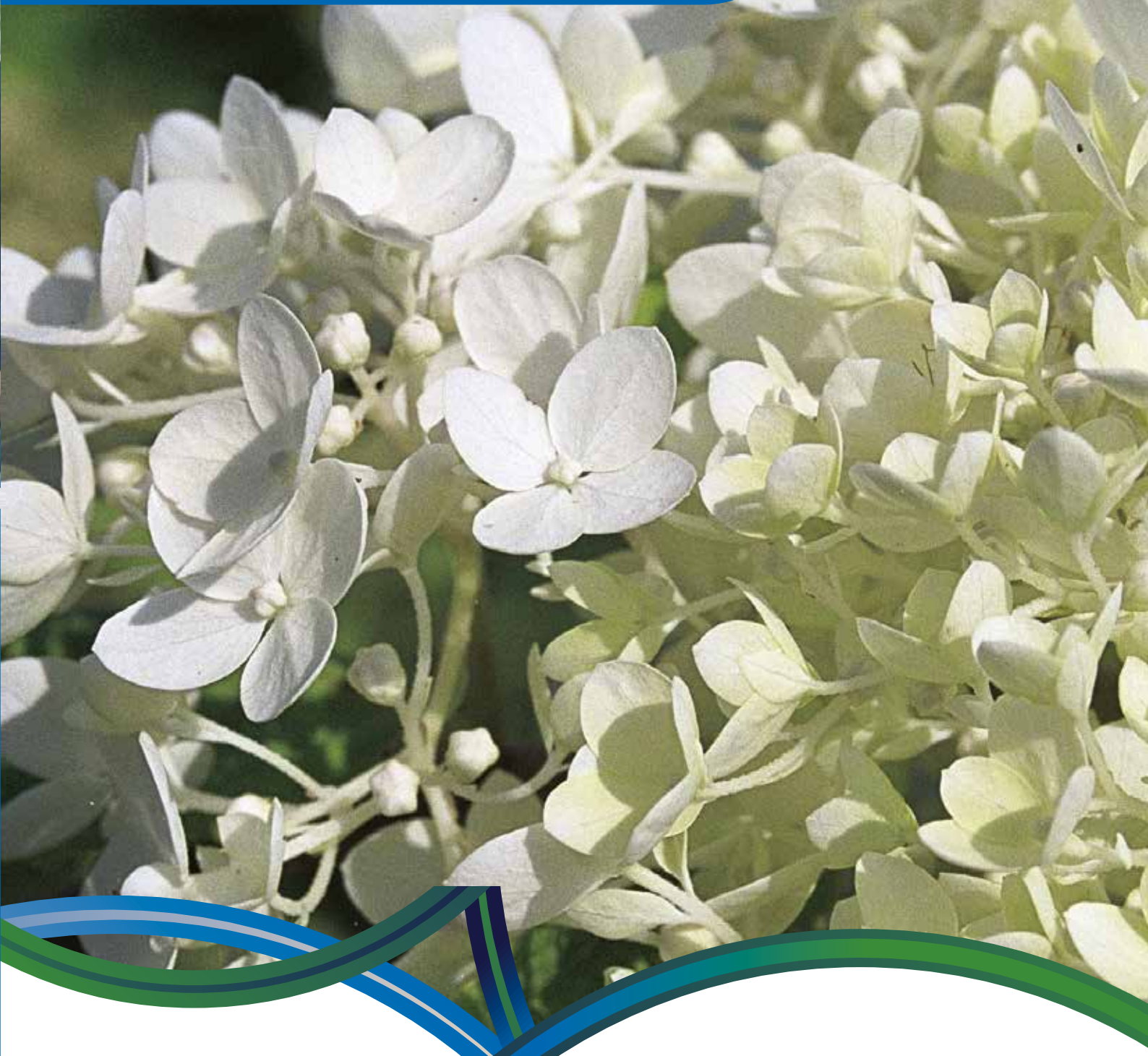


Hydrangea paniculata & Hydrangea arborescens



Crop Cultivation Sheet

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ICL Specialty
Fertilizers



Hydrangea paniculata & Hydrangea arborescens

General information for cultivation:

Hydrangea paniculata is gaining popularity in garden centers. Hydrangea arborescens has been known for years. The crops are mainly cultivated and sold as decoration for terraces or border plantations. The aim of the culture is to develop well-branched plants with good color and many flowers.

STAGE 1: Cuttings and young plants	STAGE 2: Vegetation	STAGE 3: Finishing
Cuttings to be made in May – June (+September), from outdoor mother plants. Select cuttings of similar stem-thickness.	Potting in early spring gives best branching and flowering during early summer.	More distance between plants on the field increases quality: Hydrangeas needs space to develop branches.

Cultivation cards:

Growing medium and water

- Required pH-H₂O: 5.3-5.5
- Use substrate with good buffer capacity and high capacity to hold water.
- Hydrangea has high demands for nutrition and water. (see Recommendations for cultivation on the next page)

Starting phase

- Hydrangea develops branches and leaves prior to any root growth. This can cause excessive evaporation.
- Maximize root growth as much as possible by keeping irrigation and high P nutrition constant.
- Avoid peaks in the greenhouse climate.

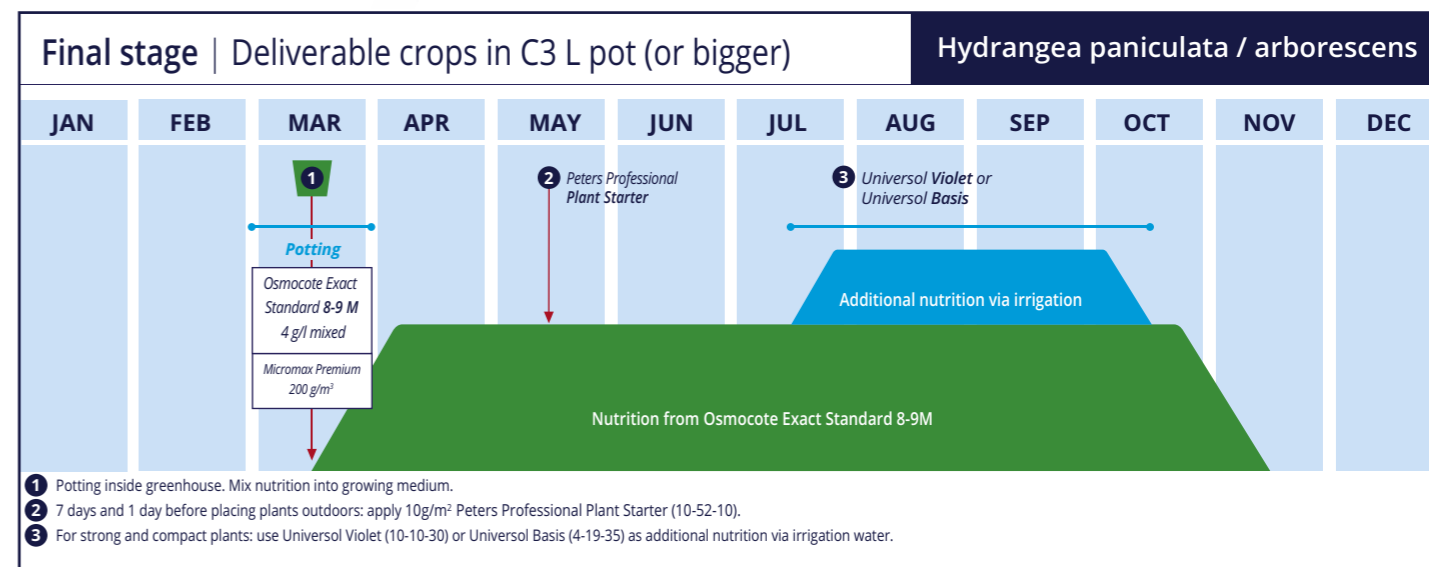
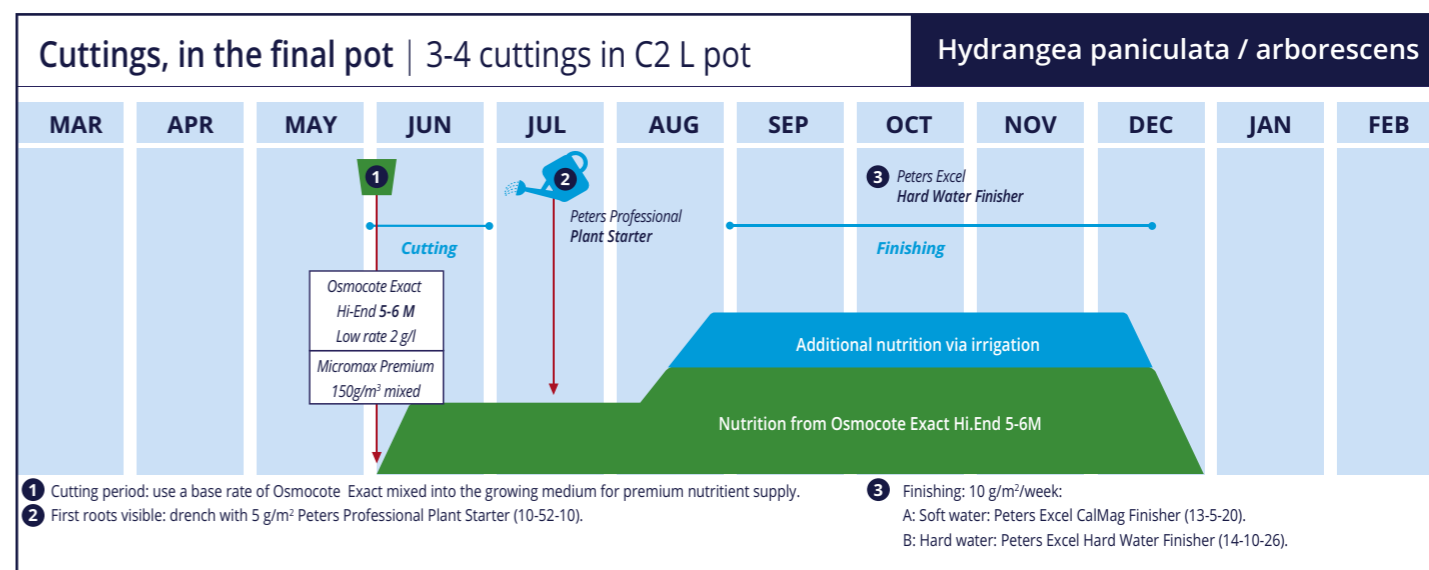
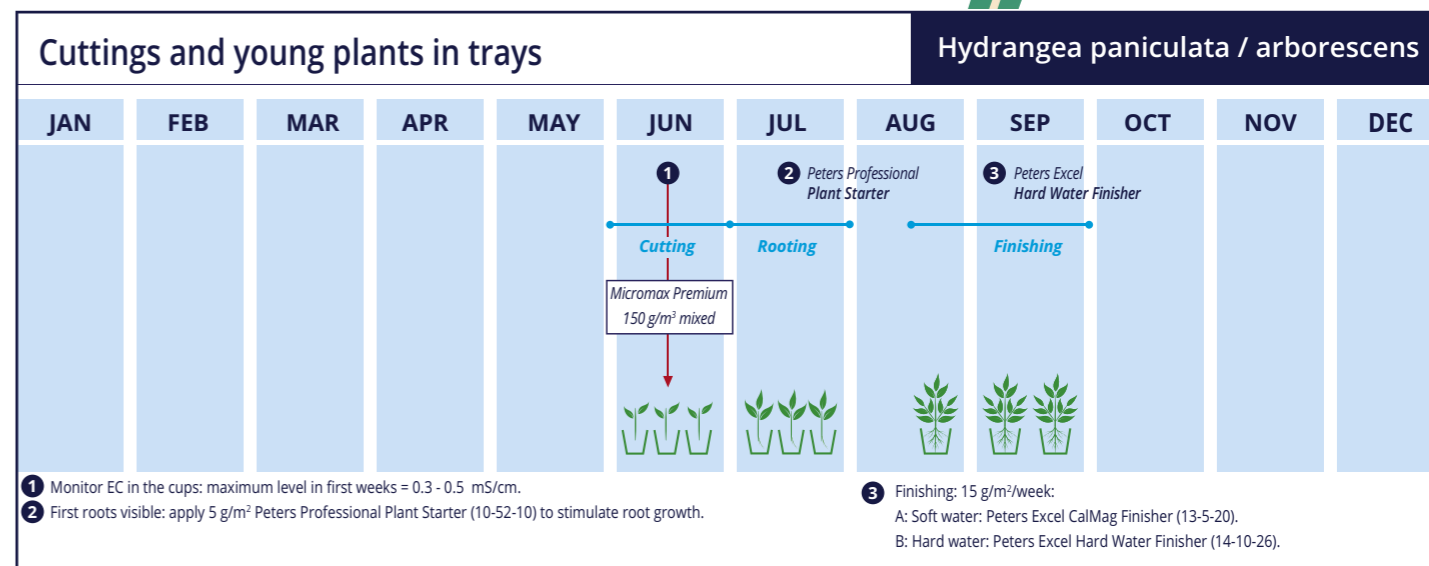
Growing phase

- Be aware of high evaporation, since Hydrangea has a large total tissue surface.
- Even when the substrate in the pot is entirely filled with water, plants can show plasmolysis.
- We recommend to keep relative humidity high to decrease evaporation.

Finishing phase

- Compactness of plants is important for your customers, mainly in retail.
- Use a high (base) rate of controlled release fertilizers. This is also good for prolonged shelf life.
- Start applying High K fertilizers from the longest day onwards, to control the timing of leaf drop.

Recommendations for Cultivation



For a tailored advice for your situation, please contact your ICL Specialty Fertilizers advisor. As circumstances can differ and as application of products is beyond our control, ICL Specialty Fertilizers cannot be held responsible for any negative results. Before a new rate, product or application method is used, a small-scale trail is recommended.

Cultivation notes from our specialists



Tips & Tricks

Hydrangea paniculata & Hydrangea arborescens

- Don't make cuttings of mother plants that have had growth regulation applications. It can block the rooting process.
- It is possible to propagate with Hydrangea paniculata cuttings directly in the endpot. For example with 4-5 cuttings in a 2 liter pot.
- For cuttings of Hydrangea arborescens: avoid high EC levels in the trays / pots during the rooting phase. Cuttings are weak, their stems are not woody.
- Ensure you have frost protection in place during spring. Start cultivation inside a greenhouse or prepare anti-frost sleeves or anti-frost irrigation.
- General recommendations after starting with high quality young plants:
 - Hydrangea paniculata (not for H. arborescens): in case of low temperatures during spring, it is beneficial to apply Peters Professional Winter Grow Special. Apply this 2x in 14 days during April. The high amounts of trace elements can support the plant in periods where trace elements are hardly absorbable (low temperatures, wet circumstances).
 - Around cultivation actions (pruning, cutting, etc.): support root activation with 10g/m² Peters Professional Plant Starter



Crop protection

Hydrangea paniculata & Hydrangea arborescens

Sciara

Can occur during cutting period. Especially because this crop takes a few months to root. The quicker roots are developed, the less problems.

Wine Weevil (*Othiorhynchus sulcatus*):

Take preventive actions against larvae by mixing the protection products into the growing medium. Curatively it is necessary to apply protection products against adults (beetles) during summer months (evening applications).



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