



NON - STRUCTURAL CARBOHYDRATE TESTING



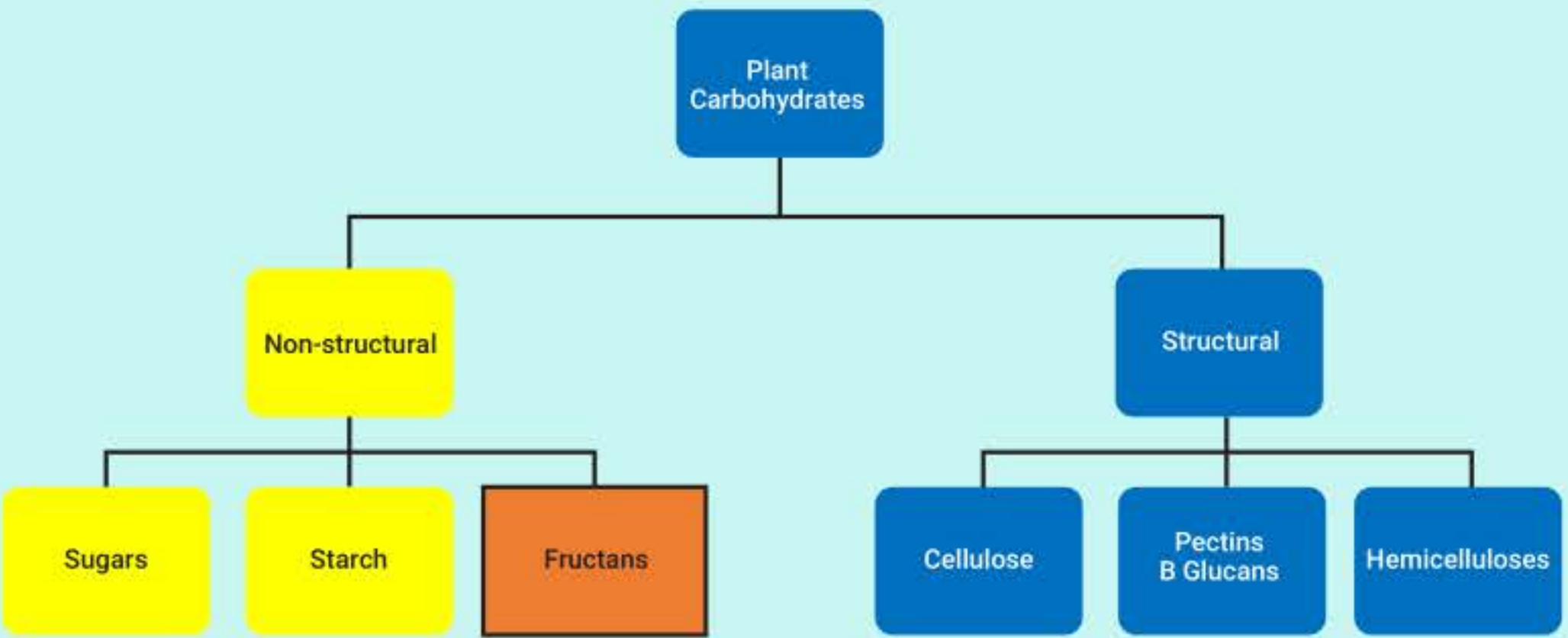
VISIBILITY INSIDE YOUR TREES' & VINES' METABOLISM

NSC Testing enables:

- NSC levels post-harvest to be checked.
- Corrective actions to rectify low NSC levels prior to winter.
- Achievement of high NSC levels (linked to high yields).
- Detect plant stress earlier, so corrective actions can minimise impact on plant health & yields.
- Checking the impact of farming practices on NSCs/ultimate yields (e.g. defoliation).
- Bloom timing prediction.

What are Non-Structural Carbohydrates?

NSCs play an essential role in plant function and metabolism. They are carbohydrates which are not part of plant structure. NSCs are primarily composed of sugars and starch and facilitate the movement of energy and resources within plants, facilitating vegetative and fruit growth.



The importance of testing NSC levels

Regular monitoring of simple sugars versus starch levels throughout the year gives a much earlier indication of problems or stresses developing, before there are necessarily any external symptoms apparent.

By investigating the causes of such problems or stresses (e.g. water or nutrient deficiencies) and rectifying them promptly, farm managers can minimise the impact of such problems on their ultimate crop yields.

Maximising your NSC levels post-harvest is crucial to maximising your yields the next season.

Bloom Prediction

When conditions warm up in Spring, starch synthesis quickly takes off, pulling sugars out of circulation, resulting in a dip in simple sugar levels. This dip in sugar and upsurge in starch is predictive of (and may even trigger) bud break.

ALTSA testing

Unlike other labs that can only provide starch levels, ALTSA determines the true level of NSC by accurately testing both starch and simple sugars. And we can also provide you with guidance on sampling and interpretation of results based on decades of research.

Talk to us today!

03 4014 9760

admin@altsa.com.au

altsa.com.au

Business Address
585 River Ave, Merbein South,
Victoria 3505

Postal Delivery Address
585 River Ave, Merbein
Victoria 3505