

Manhattan PLANT DESIGN EXPERTS INC.



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On the Road with the Delivery Team

Ahhh! The life of the driver — windows down, wind blowing through our hair, favorite tunes blasting on the radio...wishedful thinking! LOL!

While the music may be playing, we drivers play an integral part in keeping Manhattan Plants flowing. Battling through Mid-town traffic, often moving at a snail's pace, the driver's life is not one of glamour. Dealing with the freight, parking, or where to go for lunch, it is a daily chore, but one in which we take great pride. The satisfaction of seeing the relief on the office manager's face when the orchids for the conference room are changed out in time for the next big meeting keeps us going.

Whether it is a small job or a big job, we, the drivers, take great pride in making each and every one of the Manhattan Plant Design Expert's clients happy.

jack, nando, julio, scotty, richie, mario, franco, antonio & giuseppe (aka little joe)

How Do Plants Survive in the Heat?

Most cacti come from warm climates with minimal annual rainfall . Many scientists believe that cacti developed their physiological traits in response to changing climatic conditions several million years ago.

The major traits that people see when they first observe cacti are the abundance of spines on many species. These spines serve several uses, they guard against most browsing herbivorous animals by making the plant difficult and dangerous to chew. The spines also help to shade the plant, helping keep internal heat down. The spines also channel the infrequent rains to the base of the plant.



All advanced plants have leaf holes called 'stomata', these holes are what open to permit entry and exit of various gases and moistures, in cacti these stomata close tighter than in most plants further reducing the loss of moisture in the heat of the day.

Cacti store up plenty of water when it rains, and many have the ability to open themselves up accordion style to hold massive amounts of water. When the plant loses water, the pleats of the accordion fold up and shade the plant, reducing surface area exposed to the sun.

Root behavior is another adaptation that cacti have made in order to live – their roots spread laterally for quite a ways and may exist in a suspended state until the rains activate them. A small amount of moisture will cause the feeding roots to quickly grow out from the main roots. After the ground dries, these feeder roots die and disappear, enabling the plant to live on it's stored water without having to expend energy and moisture.

Cacti are indeed very vigorous plants that have made a good go of it in their arid environments. Are you a cactus in your environment?



**WE ARE 'FANS'
OF OUR CLIENTS**

Stay cool in July with our portable, folding fans. Take it to the game, picnic, or back yard. Enjoy!

PLANT OF THE MONTH

Cactus

Cacti are a type of plant called succulents. Those from desert areas are plump and spiny. Those from jungle areas are flat or thin and spineless.



OUR GIFT TO YOU!

