

HISTORY

David Gill Greenhouses is an Australian family owned and ran business. David and his two sons Adam and Joel are all qualified builders.

David moved into horticulture 16 years ago, first as a grower and then constructing greenhouses for two large greenhouse companies in Australia. Adam has worked for the company for 14 years and Joel for 12 years and over this time they have gained enormous understanding of the constructions and manufacturing of greenhouses. In the early days David was continually confronted with frustrated farmers who could not get the maximum potential from their greenhouses, because of the following problems, poor light, poor ventilation, condensation rain, gutter ventilation that allows the gutters to flood into the greenhouse in heavy rains, greenhouses that weren't designed to take thermal screening thus costing a lot more to install thermal screens. Greenhouses that didn't work to a module of 1.6 plant rows, thus wasting space. David's response to these requests was a design that gave the plants maximum usable light with minimal stress to the plant, eliminating condensation rain, the potential of 25% ventilation, 4 to 5m high posts to raise the heat zone well above the crop. David designed a gothic shaped greenhouse with a pitch of more than 7 degrees at the ridge so as to run the condensation to a custom designed aluminium gutter that I designed to collect the condensation and also have a locking system extruded in the top edge to eliminate flooding into the greenhouse in heavy rain, this stream line gutter is extremely strong and will also reduce shadowing on your crop.

David searched the world for the best plastic film to cover the greenhouses and discovered Celloclim bubble film a French product that's thermal effect and light distribution gives the plants an extended daily growing period. Thanks to the outstanding light distribution of Celloclim bubble film plants are benefiting from 100% usable light, 50-75 % diffusion charged naturally by the bubble effect (not mineral charged) distributes the light more evenly through the plants and reduces shadowing from other plant to plant and from the greenhouses structure, The thermal effect of Celloclim of between 10- 20 % and the gothic shaped greenhouse allows growers to use single skin film to gain maximum light and reduce heating costs in the winter months and in the warmer months of the year it reduces the plant temperature by 6-10 degrees once the temperature reaches 25 degrees. As light is one of the most important requirements for healthy plants Celloclim has helped growers achieve outstanding results over the past 4 years by reducing overhead costs and increasing production. Very few greenhouse claddings can achieve this result. We are the Australian agent for Agripolyane products.

The design of the gothic shaped greenhouse can be either a single or double ventilator that extended above the ridge to give the plants a complete air change and let all the hot air out (many ventilators finish well short of the ridge trapping hot air in the roof space thus increasing the greenhouse temperature) David was also very careful not to make the ventilator arms to long as this puts increasing pressure on the lifting mechanism in server storms and also has the effect of reducing ventilation when the vents are open fully if the distance between the ventilators when open is less than the distance between both vent openings it reduces the percentage of floor area ventilation. Ridder Drive systems are used to operate the ventilators. Ridder is a Dutch company who are world leaders in the greenhouse, pig and poultry drive and lifting systems for ventilation and feeders and we are pleased to represent this company in Australia carrying a large range of motors, gears boxes and rack and pinion systems.