

THE SMART CHOICE FOR

AGRI- STRUCTURES

Improve productivity, decrease costs
and reduce environmental impact.

DESIGNED AND MADE IN NZ TO MEET
RIGOROUS NZ BUILDING CODES AND
EXCEED YOUR EXPECTATIONS.

 MAKE A SMART CALL 0508 743 583



SMARTSHELTERS™

smartselters.co.nz



Hello and thank you for getting in touch with us!

By partnering with SmartShelters, you're on the way to smarter farming through improved productivity, better cow health and a lighter environmental footprint.

A bit about us: Our roots go back 100 years, to our beginnings making military canvas products for the Allied troops in the First World War. Our family took ownership of the business 50 years ago and we're in the fourth generation of family management.

We love working with dairy farmers all over New Zealand to really make a positive difference to the way they farm, and it all starts with a good chat on-farm.

We're here to make a difference for you. Call us today, we're looking forward to working with you.

Yours sincerely,

Harvey Cottle
Sales Manager, SmartShelters



12 YEAR
WARRANTY



HIGH WIND
RATINGS



HIGH SNOW
RATINGS



PROUDLY
NZ MADE



“ WITH 100 YEARS’
EXPERIENCE BEHIND
US, WE’LL STAND BESIDE
YOU. THAT’S THE
SMART CHOICE. ”



THE SMART CHOICE

—
We're the pioneers of taking easy installation permanent structures to new heights...and new spans.

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WHY SMARTSHELTERS?

WE'LL COME TO YOU

Talk to us about arranging a visit to your farm.

SmartShelters. The most able structures in NZ.
Customisable, adjustable and relocatable. **That's smart.**



12 YEAR WARRANTY



HIGH WIND RATINGS



HIGH SNOW RATINGS



PROUDLY NZ MADE



Stability and consistency

- Rigorously designed and engineered to suit your specific location, whether you're in the Far North, the Deep South or anywhere in between
- Refined and developed over a century in business – and counting. We're with you for the long haul
- Fully supported by our nationwide installation network



Commitment to making a difference to farming

- Our team work with you to put together a SmartShelters structure which is specifically designed for where and how you farm
- You have the benefit of our experience, research and network of farmers in deciding which system is best for you
- SmartShelters designs draw on the latest and best developments in dairy housing to keep you ahead of the industry



Change your approach to farming

- SmartShelters structures give you choices and let you fine-tune your inputs, processes and outputs
- Better control over effluent through capture and containment
- More options for pasture management in challenging weather
- Boost productivity by improving feed utilisation and reducing feed intake, while increasing milk production



For 100 years at the leading edge of fabric innovation

- We've spent the past hundred years challenging and developing the use of industrial fabrics to solve the needs of the agricultural and commercial sectors.
- SmartShelters structures utilise the highest-performance structure fabric in the world, which has an untouchable track record not only in New Zealand, but right across the globe.
- Robust and efficient engineering design keeps structure costs down and boosts your return on investment



THE SMART CHOICE FOR COVERING YOUR FEED PAD

“In summer time with the 6-10 degree cooler temperature it’s just fantastic for the cows.”

Brad Payne
Farm Owner, Cambridge

ADVANTAGES

- World leading structural fabric covers provide a light, clean environment where cows thrive
- Excellent height clearance makes feeding out, cleaning and servicing safe and easy
- Customisable widths and lengths suitable for any configuration (6m – 50m width x any length)
- Variable side height options to suit all machine sizes
- Design flexibility to accommodate side access gateways and existing infrastructure
- Full engineer certification for all wind and snow zones across New Zealand

KEY NUMBERS

5-10°C cooler in summer for ideal cow comfort and heat stress relief

UP TO 50m clearspan widths

UP TO 50% feed savings

12 year warranty



THE SMART CHOICE FOR COVERING YOUR STANDOFF PAD

“The cows are comfortable in here. Cow condition is awesome, my herd has never looked as good as it does now.”

Reon Williams
Farm Owner, Waerenga

ADVANTAGES

Productivity

- Increased production and feed savings
- Reduced supplement costs
- Capturing and spreading nutrients reduces fertiliser costs
- Reduced early summer grazing results in better pasture growth

Animal welfare

- Improved cow condition
- Lower incidence of mastitis
- Cleaner udders and hooves
- Avoid standing on yards, feedpads and hard surfaces

Environmental impact

- Pasture relief through eliminating pugging and cornering
- Heavily reduced nutrient leaching in the wet months
- Eliminating sacrifice paddocks heavily reduces leaching

Woodchip barn design principles

Heavy woodchip lasts longer and keeps the cows cleaner

SmartShelters half round design maximises airflow to dry the chip

SmartShelters are perfectly suited to cows' temperature range; warmer in winter and up to 10 degrees cooler in summer

Installation of a membrane liner beneath your drainage system future proofs against regulation changes.

Clearspan design makes woodchip aeration faster, easier and safer

KEY NUMBERS

5-10°C cooler in summer for ideal cow comfort and heat stress relief

UP TO 50m clearspan widths

UP TO 50% feed savings

12 year warranty

THE SMART CHOICE FOR WINTERING BARN

“Great for cow condition. They’re not freezing in the weather. The cows are happy, and we’re happy.”

Joseph Stainton-Herbert
Farm Manager, Clinton



ADVANTAGES

Productivity

- Increase milk production and reduce feed costs
- Avoid expensive off-farm grazing
- Make winter milking viable

Animal welfare

- Improve cow condition and comfort through winter
- Eliminate respiratory problems with SmartShelters' industry leading airflow
- Reduce mastitis
- Cleaner udders and improved herd health

Environmental impact

- Heavily reduced nutrient leaching in the wet months
- Fully contained system provides total effluent capture
- Off pasture wintering eliminates pugging and leaching

KEY NUMBERS

10-12M² recommended space allocation per cow

800mm of feed face/cow recommended for fair feeding

UP TO 50% feed savings

5-10°C cooler in summer for ideal cow comfort and heat stress relief

40m clearspan, no centre poles to hit

Custom configurations can be designed to suit your site.



WINTERING BARN: DESIGN CONSIDERATIONS

SmartShelters clients have used their barns as wintering facilities with impressive results.

- ✔ Install a membrane liner beneath your drainage system to future proof against regulation changes.
- ✔ Ridge vents are required for removal of moisture accumulation
- ✔ SmartShelters lend themselves perfectly to both woodchip and composting systems, as the constant airflow generated by the arched roof design keeps the bedding clean and healthy
- ✔ Bedding should be mixed and aerated daily to prevent a crust forming
- ✔ Heavy woodchip lasts longer and keeps cows cleaner
- ✔ SmartShelters internal environment matches the optimal temperature range for cows; warmer in winter and up to 10 degrees cooler in summer
- ✔ Most popular configuration features feeding through the sides with water supplies outside of the bedding area



KEY NUMBERS

- 26m wide x 80m long
- 2.8m side height
- 7.3m centre height
- 2080m² covered area
- 200 cow capacity approx.
- 800mm feed face/cow
- 10m² per cow

DRAINAGE LAYERS

- Bedding material 600mm depth
- Drainage metal 150mm depth
- Drainage pipe system
- Clay to another liner 100mm depth
- Non permeable liner 25mm thick
- Clay base



THE SMART CHOICE FOR CALF REARING SHELTER

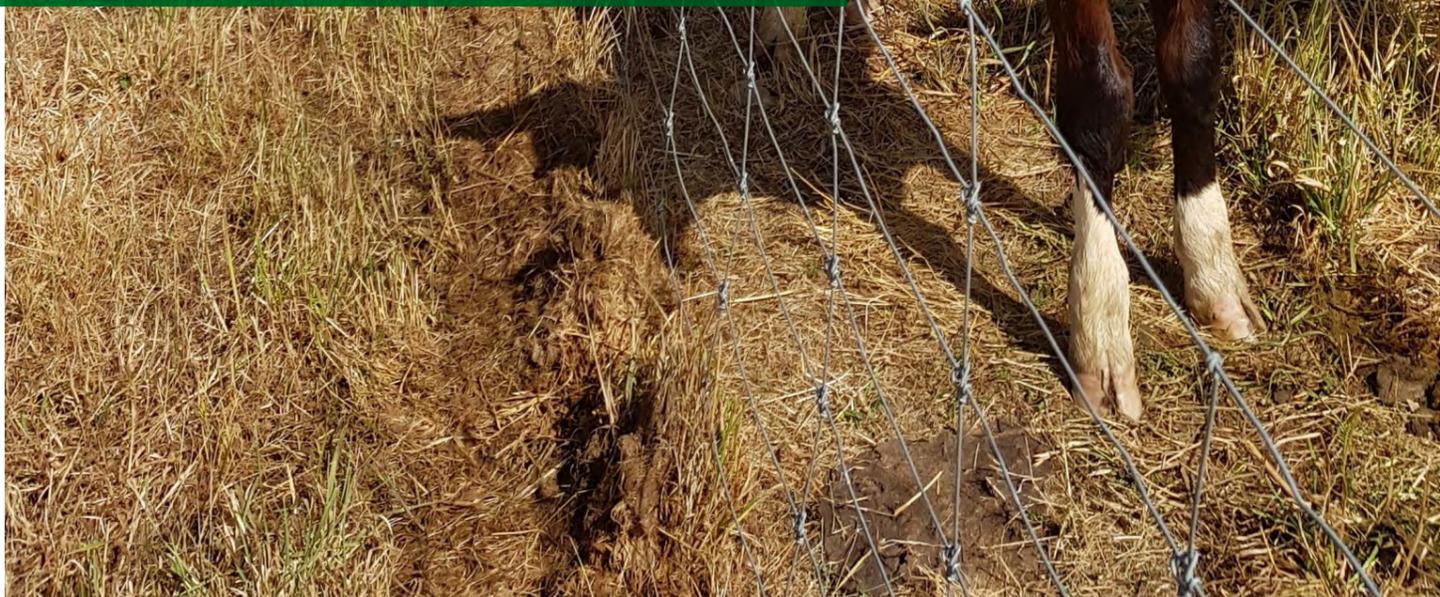
Your calves need a clean, well-ventilated, well-lit shelter to give them a head-start in life.

ADVANTAGES

- Calves gain weight quickly as they are not metabolising feed simply to retain body temperature
- The SmartShelters design maintains even internal temperatures
- Excellent ventilation and airflow reduces the incidence of disease and illness
- Clear span design and high light transmission provides a pleasant environment

KEY NUMBERS

- 1.5 - 2m²** space allocation per calf
- 15m** popular calf rearing structure width
- 2.5m** recommended width of centre service lane
- 12** year warranty





THE PROCESS

How it works. Our process is designed with you in mind. From the initial phone call, right through to our after-project follow up, we aim to take care of your project quickly, efficiently and to the highest standards.

① Site visit & pricing

When you contact us we'll make a time to come and meet with you on farm, talk about any special features you require, and then begin measuring up so we can give you an accurate quote. Within the week we'll be able to provide you with an initial plan and quote for your new Agri-Structure build and installation. Once you've OK'd things we'll get your project started.

② Design & development

From there we'll design full plans for your Agri-Structure and develop a project management timeline for your build. Once you're happy with your design, the build begins.

③ Project management

Managing a project on time and on budget is something we pride ourselves on. We have an experienced team that manages everything from gaining consent with council to ensuring every detail is finished to your specs. And as your operation develops and evolves in the future we'll be there to support you too.

PRODUCT SPECIFICATIONS

STEEL FRAMEWORK

- All framework meets or exceeds C350 Grade
- Galvanised finish on both inside and outside surfaces

FABRIC COVER

- Super Strength high grade PE coated fabric
- Ripstop woven tape base cloth for superior strength
- Welded Construction
- High UV protection - designed for NZ conditions
- Excellent light transmission
- Insulating properties

TIMBER POLES

- H5 Tanalised High Grade

CUSTOM DESIGN SERVICE

- SmartShelters engineers will design a customised structure suited to your requirements

ENGINEERED DESIGN

- Designed to AS/NZS 1170.2:2011
- High Wind Loads, Snow Loads
- Full engineering plans, calculations and Producer Statements available
- Region-specific design

WARRANTY

- 12 Year pro rata warranty so you can buy with assurance

SMART FEATURES

We know that every farmer's requirements differ, so all SmartShelters Agri-structures can be customised with a wide range of add-ons and enhancements.

PROFESSIONAL INSTALLATION

We will look after installation of your SmartShelter structure

SIDE EAVES

- No disruption to animal flow due to feeding from outside
- Reduces the need for machinery inside the shelter



VENTS

- Designed for maximum ventilation and airflow
- Can be incorporated in the design of any structure
- Usually required on large wintering barn structures and free stall/cubicle barns



SIDE GUTTERING

All SmartShelters can be fitted with side guttering and downpipes to take care of your stormwater requirements. We have a wide range of specialist guttering profiles to suit all applications, structure layouts and climates including galvanised steel, PVC plastic or fabric. All SmartShelters Agri-Structures come with guttering as standard.



SIDE CLADDING

Side cladding provides extra protection against the weather. We supply a range of options including:

- Solid fabric
- Windbreak mesh

Alternatively other side cladding options are available on request.

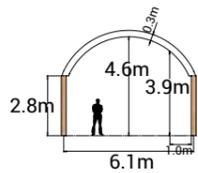


END WALL OPTIONS

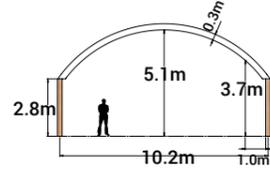
For maximum weather protection you can enclose the ends of your SmartShelter. Options include a solid fabric or windbreak mesh wall; filling in the entire end or just in part. Custom options are also available.

SIZE GUIDES

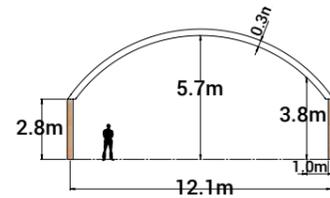
AGP 6 SERIES



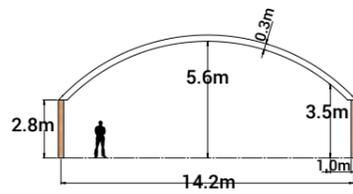
AGP 10 SERIES



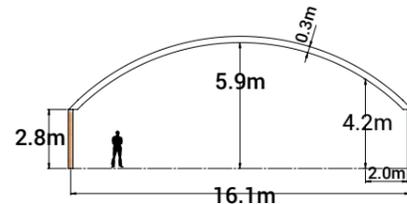
AGP 12 SERIES



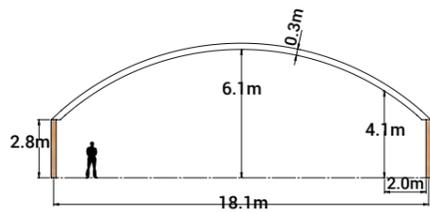
AGP 14 SERIES



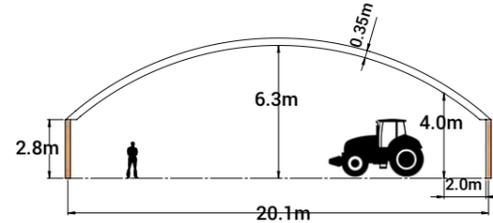
AGP 16 SERIES



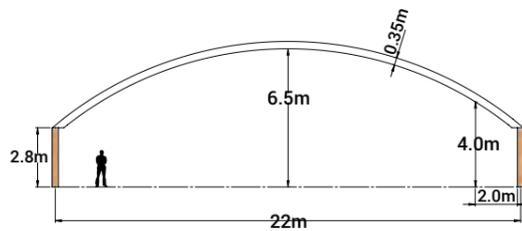
AGP 18 SERIES



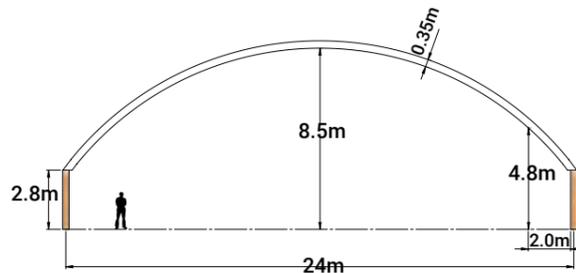
AGP 20 SERIES



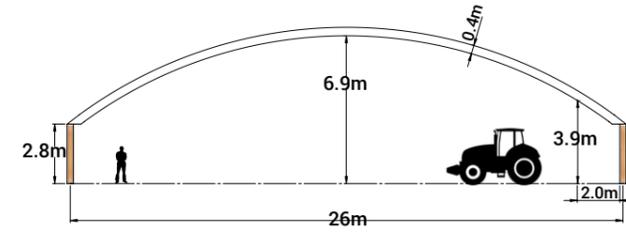
AGP 22 SERIES



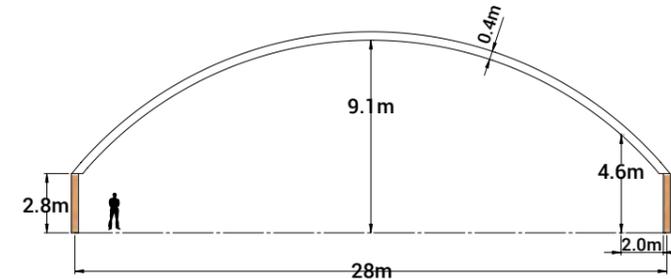
AGP 24 SERIES



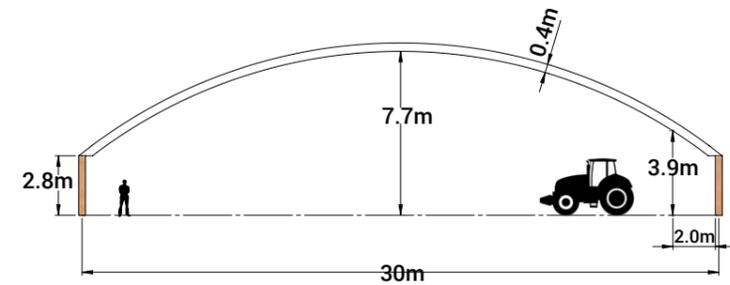
AGP 26 SERIES



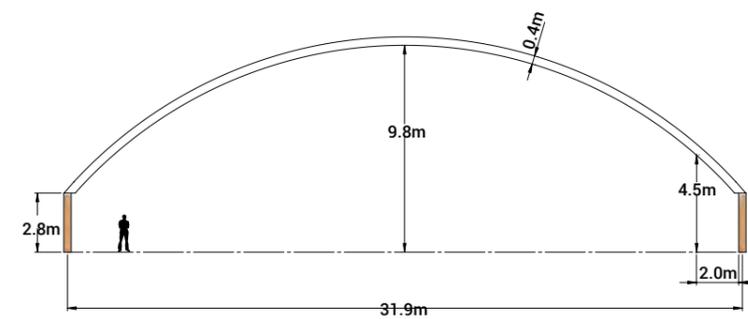
AGP 28 SERIES



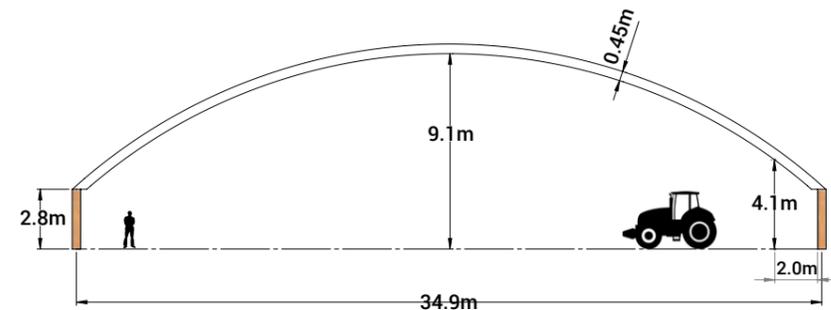
AGP 30 SERIES



AGP 32 SERIES



AGP 35 SERIES



Other side heights available on request.

2.8m side height shown on all options.

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