



Upper Murray Seeds®
Sow much better

Productive Pasture Guide

Our business is growing yours



AUSTRALIAN GROWER



Australian Seed Federation
SOWING SEEDS

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DISCLAIMER: All information provided is intended as a guide only. Upper Murray Seeds has taken all due care to ensure the included information is accurate and use of this information is at the user's sole discretion and risk. Varying environmental conditions may alter the performance of products and plants.

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UMS Productive Pasture Guide

Your guide to pasture renovation with purpose!

Welcome to the 7th edition of our *Productive Pasture Guide*, designed to help you make better choices to solve *your* pasture challenges.

You need to grow palatable and productive pastures to optimise weight gain on *your* animals and realise a return on *your* investment in seed. It's our aim to to help *you* strategically plan *your* pasture base and make better choices to solve *your* individual challenges. One pasture does not fit all situations.

Upper Murray Seeds (UMS) is an Australian seed business established nearly 25 years ago. Privately-owned and vertically-integrated, we breed, produce, clean, coat, blend and market seed in Australia and overseas. Find out more about us on our website, or follow us on social media.

UMS operates Australia-wide, delivering seed daily to major cities and on-forwarding to regional locations from several warehouses. Our customer service team is centrally-located in Albury, NSW and we get our seed on the road as fast as possible.

Build *your* pasture base using UMS premium seeds. You're welcome to access our team's extensive industry and agronomic knowledge to help *you* select the right seed from our remarkable product range, and strategically manage *your* pastures. You'll find detailed product information sheets on our website or just ask us!

UMS regional contact details are on the back cover. We look forward to hearing from you!



Sowing Rate: 20-25 kg/ha Blend Rate: 5-15 kg/ha



Sowing Rate: 25-30 kg/ha Blend Rate: 5-15 kg/ha



Sowing Rate: 25-30 kg/ha Blend Rate: 5-15 kg/ha



A late season, annual tetraploid ryegrass with prolific winter growth.

- Extremely rapid growth
- Ideal for both hay and silage production
- Highly palatable and nutritious
- Seedlings are strong and vigorous
- Characterised by wide leaves and dense tillers



A dynamic, annual diploid ryegrass, specifically bred for early winter feed.

- Very fast to first grazing and exceptionally rapid regrowth
- Outstanding dry matter yields
- Very high winter growth rate
- Early-maturing variety, producing excellent quality silage and hay
- Ideal to oversow rundown pastures



A mid-maturing, highly productive and extremely hardy tetraploid annual ryegrass.

- Particularly vigorous, provides abundant winter and early spring feed
- Bred for the Australian cattle and sheep market
- Reliable dry matter production
- Mid flowering



Sowing Rate: 25-30 kg/ha Blend Rate: 5-15 kg/ha



Sowing Rate: 25-30 kg/ha Blend Rate: 5-15 kg/ha



Sowing Rate: 20-25 kg/ha Blend Rate: 5-15 kg/ha

Drummer ANNUAL RYEGRASS

A late season, tetraploid annual ryegrass bred for high-input grazing systems, and is ideal for all classes of livestock.

- Establishes very quickly
- Strong, vigorous seedling
- Provides bulk winter feed that is very palatable
- Produces high quality feed throughout the season
- Ideal option for hay and silage mixes

Phantom ANNUAL RYEGRASS

An annual tetraploid ryegrass selected for maximum dry matter production during winter and spring.

- High levels of digestibility and palatability
- Ideally suited to hay and silage production
- Very vigorous seedlings
- Excellent choice for direct seeding new pastures
- Rejuvenates older, established pastures

Awesome SHORT TERM RYEGRASS

A very late Italian diploid ryegrass providing extended grazing into summer.

- Ideal for oversowing
- Very rapid regrowth
- Densely tillered
- Produces high quality hay and silage
- Maintains quality late into season



Sowing Rate: 20-25 kg/ha Blend Rate: 5-15 kg/ha

Charger SHORT TERM RYEGRASS

A late diploid Italian ryegrass with very high levels of winter production. Charger will persist into a second and third season under favourable conditions.

- Late maturing and provides very palatable feed
- Good disease resistance
- Vigorous seedlings with rapid growth
- Rapid establishment suits spray-drilling or oversowing
- Responds very well to irrigation and rainfall, makes high quality hay and silage

Combat® SHORT TERM RYEGRASS

A diploid, Italian ryegrass with high winter and early spring production rates so is well suited to a wide range of farming enterprises.

- Ideal for oversowing rundown pasture
- Excellent pasture quality and palatability
- Very good recovery from grazing and cutting
- Suited to a wide range of fertility levels and soil profiles

Denver SHORT TERM RYEGRASS

A long-season, tetraploid Italian ryegrass selected for palatability, frost tolerance and seedling vigour and substantial winter growth.

- Rapid establishment
- High levels of palatability and disease resistance
- High metabolisable energy (ME) and crude protein (CP) levels
- Dynamic recovery from grazing and cutting
- Makes top quality hay and silage



Sowing Rate: 20-25 kg/ha Blend Rate: 5-10 kg/ha



Sowing Rate: 25-30 kg/ha Blend Rate: 5-15 kg/ha



Sowing Rate: 20-25 kg/ha Blend Rate: 10-15 kg/ha



Sowing Rate: 20-25 kg/ha Blend Rate: 5-15 kg/ha



Sowing Rate: 20-25 kg/ha Blend Rate: 5-15 kg/ha

AberNiche[®]

FESTULOLIUM

A new hybrid tetraploid grass (90% ryegrass x 10% meadow fescue) adapted to a variety of stress conditions.

- Bred through natural hybridisation to better resist stress including winter hardiness and dry conditions
- Significantly improved water use efficiency proven in simulated drought trials
- Can be combined in short term mixes with Italian or hybrid ryegrasses
- For longer term mixes include cocksfoot alongside perennial or hybrid ryegrasses, plus white clover

Everlast LE

PERENNIAL RYEGRASS

An early maturing but highly productive and extremely hardy diploid ryegrass which is exceedingly persistent.

- Bred for the Australian cattle and sheep market
- Very vigorous, provides abundant winter and early spring feed
- Reliable dry matter production
- Improved tolerance to hot, dry summers and very persistent
- Early flowering

Award

PERENNIAL RYEGRASS

A very productive diploid ryegrass with the persistence of traditional Victorian germplasm

- Bred for the Australian beef and sheep market
- Extremely persistent
- Reliable dry matter production
- Improved tolerance to hot, dry summers
- Early flowering



Sowing Rate: 20-25 kg/ha Blend Rate: 5-10 kg/ha



Sowing Rate: 20-25 kg/ha Blend Rate: 10-15 kg/ha



Sowing Rate: 25-30 kg/ha Blend Rate: 15-20 kg/ha



A mid-season, diploid perennial ryegrass bred for high input grazing systems.

- Rapid and vigorous establishment
- Mid flowering
- Maintains grazing value into summer
- Produces impressive liveweight gains
- Ideal component for perennial pasture blends



A late-season, diploid perennial ryegrass bred for high-input grazing systems.

- Establishes very rapidly
- Beneficial to all types of livestock
- Produces high quality feed throughout the season
- Ideal option for perennial mixes
- Suited to a wide range of fertility levels and soil profiles



A highly productive, late maturing, tetraploid ryegrass derived from a selection of Spanish and New Zealand germplasm.

- Late flowering tetraploid perennial ryegrass
- Produces excellent quality and highly palatable feed
- Fast to establish, impressive production in winter and spring
- Very persistent with remarkable dry matter production



Sowing Rate: 20-25 kg/ha Blend Rate: 10-15 kg/ha

Aber[®]Magic PERENNIAL RYEGRASS



A late-maturing, diploid perennial ryegrass that moves animal production and persistence up to a new level.

- A premium High Sugar Grass that can significantly improve the utilisation of protein from grass for increased meat and milk production, while lowering methane production
- Very high levels of digestibility and palatability throughout the growing season
- Provides traditional yardsticks such as yield, persistence and disease resistance
- Offers the highest feed quality available from a diploid perennial ryegrass

Aber[®]Gain PERENNIAL RYEGRASS

A late-maturing, tetraploid perennial ryegrass which sets a new standard in grass production and nutritional quality.

- A premium High Sugar Grass that can significantly improve the utilisation of protein from grass for increased meat and milk production, while lowering methane production
- Low endophyte
- Excellent early grazing and substantial silage yields
- Very high levels of digestibility and palatability throughout the growing season
- Exceptional yield with abundant early spring and late autumn growth



Sowing Rate: 25-30 kg/ha Blend Rate: 10-15 kg/ha



Sowing Rate: 10-20 kg/ha Blend Rate: 4-10 kg/ha

Pastoral SUMMER ACTIVE FESCUE

A new, soft-leaf, persistent, summer-active fescue bred to withstand the harsh Australian climate.

- Bred from the most persistent plants of a summer-active fescue trial
- Improved palatability over traditional fescues
- Responds really well to summer rainfall
- Ideal for heavy soils
- Extremely drought tolerant

Charlem WINTER ACTIVE FESCUE

An extremely persistent, densely tillered, Mediterranean-type, winter-active fescue.

- Later maturing than traditional fescues
- Grows more winter feed and later maturing than traditional fescues
- Very high dry matter production and extremely soft leaf
- Deep-rooted perennial
- Ideal lucerne companion plant
- Alternative to phalaris where persistence is required

Grazier PHALARIS

A truly persistent and productive perennial grass that can really handle stock grazing pressure once established.

- Australian-type phalaris bred for improved leaf quality and yield
- Provides year-round feed but with typical abundant spring growth
- Helps improve ground cover due to its low, wide and dense crown and prostrate, spreading growth habit
- Once established, Grazier's deep and extensive root system improves its ability to handle periods of drought



Sowing Rate: 10-20 kg/ha Blend Rate: 4-10 kg/ha



Sowing Rate: 4-6 kg/ha Blend Rate: 1-3 kg/ha



Sowing Rate: 4-6 kg/ha Blend Rate: 1-3 kg/ha

Stockman PHALARIS

The ultimate phalaris bred by crossing the traditional Australian cultivar with Holdfast phalaris.

- Ideal base for perennial pastures
- More winter active than traditional types
- Improved dry matter production
- Excellent performance in poorly drained and waterlogged soils
- Tolerates acid soils well compared to traditional cultivars



Sowing Rate: 2-4 kg/ha Blend Rate: 1-3 kg/ha

Drover COCKSFOOT

An acid tolerant, Australian bred cocksfoot which sets the benchmark for Mediterranean-type cocksfoots.

- Earlier maturing than traditional cocksfoots
- Excellent palatability
- High dry matter production
- Persistent and hardy perennial grass
- Increased winter activity

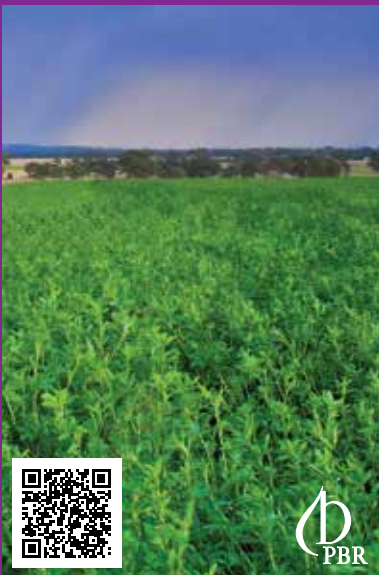


Sowing Rate: 25 kg/ha Blend Rate: 5-10 kg/ha

Nandu BROME GRASS

A very productive, South American-bred grass with strong autumn and winter growth.

- Establishes quickly and regrows rapidly after grazing
- Characterised by dense, fine tillers
- Tolerant of set stocking and horses
- Resistant to Argentine stem weevil



Sowing Rate: 6-15 kg/ha Blend Rate: 1-4 kg/ha

Silverado LUCERNE

A premium quality lucerne, with built-in, broad-spectrum disease and pest resistance to enhance its forage quality and performance.

- Highly persistent in dryland and irrigation
- Superior cold and heat tolerance
- Rapid regrowth after grazing and cutting
- Outstanding stem:leaf ratio
- Significantly better than usual leaf retention when hay making
- Bred to suit all Australian lucerne growing areas

WINTER ACTIVITY 9



Sowing Rate: 6-15 kg/ha Blend Rate: 1-4 kg/ha

Silverosa GT LUCERNE

The benchmark for multipurpose, grazing tolerant lucerne, Silverosa GT has inbuilt disease and pest resistance, produces premium quality forage and is salt tolerant.

- High-yielding and extremely persistent lucerne suited to both intensive grazing and fodder production
- Superior fine stem:leaf ratio
- Rapid regrowth after grazing and cutting
- Significantly better than usual leaf retention when hay making
- Tolerates high levels of salinity - up to 10,000ppm (mg/L)
- Bred to suit all Australian lucerne growing areas

WINTER ACTIVITY 7



Silverosa is protected by patent.

Aber® High Sugar Grasses and Clovers

Proven Persistence. Proven Performance.



Aber® High Sugar Grasses and Clovers

Bringing you higher levels of digestibility, persistency and nitrogen-use efficiency.

If you are after improved pasture persistence, feed quality and environmental benefits, here's the solution: Aber high sugar ryegrasses and clovers.

The Aber range of high-quality ryegrasses and clovers has been tested across diverse farming systems and growing conditions, and continues to demonstrate superior pasture quality, persistence and digestibility.

Farmers have observed livestock showing a clear grazing preference for Aber HSG pastures over other ryegrasses and seen increases in dairy milk production and the live-weight gains of sheep and cattle.

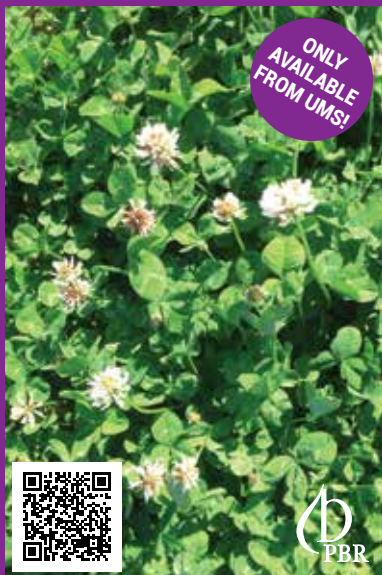
Upper Murray Seeds Pty Ltd is the exclusive distributor of Aber seed products in Australia.

AberLasting® CAUCASIAN WHITE CLOVER X

A real breakthrough – the first super clover is here!

This new Caucasian/white clover cross provides the nutritive and N-fixing benefits of white clover, as well as drought-tolerant rhizomatous root characteristics.

- AberLasting has all the characteristics of a small-leaf white clover coupled with the drought tolerance of Caucasian clover
- Other beneficial traits include stolons and rhizomes from the Caucasian clover
- Features include high levels of stolon density and tolerance to set stocking
- Bred to provide a more drought-tolerant and persistent perennial legume
- Suitable for use in all grazing systems including permanent pasture with limited water



Sowing Rate: 3-5 kg/ha Blend Rate: 1-3 kg/ha



Sowing Rate: 3-5 kg/ha Blend Rate: 1-3 kg/ha

AberDance[®]

WHITE CLOVER

A medium-leaf white clover which provides flexibility in a variety of grazing management systems and is best suited to sheep or cattle grazing.

- Can be used in either medium or long-term pastures
- High-yielding and persistent in a range of systems
- Showed consistently high yields over 8 years in long-term trials
- Very winter hardy with outstanding cool season activity
- Bred for stress tolerance, grazing tolerance, pest and disease resistance
- High stolon density



Sowing Rate: 3-5 kg/ha Blend Rate: 1-3 kg/ha

AberNormous[®]

WHITE CLOVER

A new generation of large-leaf white clover suitable for rotational dairy/cattle grazing and high production silage pastures.

- Combined with AberDance, provides high yielding pasture for high-fertility lamb fattening systems
- Larger leaf size and higher stolon density than other similar clovers
- Retains high digestibility throughout the season
- Improved stress tolerance, grazing tolerance, pest and disease resistance
- Dense stolon growth for greater persistence



Sowing Rate: 4-10 kg/ha Blend Rate: 2-4 kg/ha

TurboPlus PERSIAN CLOVER

A Persian clover specially bred to meet the need for a disease resistant, frost tolerant, high performance, multicut/multigraze variety.

- High dry matter yields
- Tolerant to set stocking
- Adapts to various climate zones from cool season to subtropical
- Longer production season than traditional forage Persian clovers
- Ideal in a mix for quality hay and silage making



Sowing Rate: 6-8 kg/ha Blend Rate: 2-6 kg/ha

Memphis BERSEEM CLOVER

A modern disease-resistant, frost tolerant, high yielding berseem clover generally considered to be non-bloating.

- Multicut/multigraze capacity
- Very late maturing
- Improves soil structure and tolerates mildly acidic soil
- Excellent red-legged earth mite and blue oat-mite tolerance
- Ideal in a mix for quality hay and silage making



Sowing Rate: 4-6 kg/ha Blend Rate: 1-2 kg/ha

Red812[®] RED CLOVER

A very productive, upright, red clover with excellent winter and spring growth.

- Large leaf
- Excellent for hay or silage production
- Low oestrogen levels
- Excellent for fattening lambs
- Performs very well in heavy soils



Sowing Rate: 3-5 kg/ha Blend Rate: 1-2 kg/ha

Evergreen

FORAGE BRASSICA

Evergreen is a modern forage brassica, with improved regrowth, yield and overall quality.

- Very late flowering and early maturing
- Can be sown all year round with adequate moisture
- High yielding and excellent disease resistance
- Excellent regrowth after grazing
- Ready for first grazing in 60-90 days



A very high-yielding and late maturing, modern forage-oat cultivar with an extremely rapid growth rate.

- Semi-erect growth habit
- Good seedling vigour
- Excellent growth during Autumn, Winter and Spring
- High tolerance to grazing with low growing point
- Low susceptibility to leaf and stem rust



Massive's large leaf provides good early feed and it also has the capacity to survive tough conditions.

- Very quick to first grazing and very late maturing
- Good seedling vigour
- Excellent growth during Autumn, Winter and Spring
- High tolerance to grazing with low growing point



Sowing Rate: 80-120 kg/ha Dryland
100-150 kg/ha Irrigation



Sowing Rate: 80-120 kg/ha Dryland
100-150 kg/ha Irrigation



Sowing Rate: 2-5 kg/ha Blend Rate: 0.5-2 kg/ha



A very palatable, late maturing, perennial herb providing extended seasonal growth.

- Acid soil tolerant
- Ideal for finishing livestock
- Very high rate of summer activity
- Excellent lucerne companion

Lawn Blends

Whether you need to sow a sports field or a back yard, UMS will advise on the best blend to suit the purpose.

We blend and pack seed that's high in quality, germination and purity and selected to suit even the toughest conditions.

Our agronomists can also offer helpful hints on establishing and maintaining a healthy and good-looking lawn.

- **Sunny Lawn** - A very durable, persistent water-miser that looks good all year
- **Hardy Lawn** - A really tough, well presented but low-maintenance lawn
- **Backyard Lawn** - For the rough and tumble of the backyard but easy care
- **Sports Oval** - Quick to establish, withstands wear and tear and harsh conditions
- **Highway Blend** - Designed for harsh freeway or roadside conditions

Available in 5 kg and 25 kg bags





Pasture Blends

Our range of pasture blends includes annuals for hay and silage production, through to perennials such as phalaris, winter-active fescue or ryegrass. The range is regularly reviewed to ensure it continues to boost farm productivity and profitability.

- Ready-to-sow blends available for various purposes and conditions
- Annual or perennial pastures catered for
- Formulated to suit beef, sheep, dairy, equine and fodder conservation

- **Aber Dairy**
- **Dairy Premium**
- **Fat Lamb Factory**
- **Hardy Horse**
- **Hay & Silage**
- **High Density Legume**
- **Hill Country**
- **Meat & Milk**
- **Recovery**
- **Tractor Stopper**

Custom Blending

Blends can really drive increased pasture production and farm profitability. UMS can blend pasture seed specifically to suit your needs, whatever your budget or farming enterprise.

- Designed to suit a widely varying range of soil types and seasonal conditions
- Formulated to provide nutritious feed throughout the season
- We can coat or treat blends as needed

Custom blends available from Albury and Tamworth NSW, Corryong VIC, and Launceston TAS.



Seed Coating

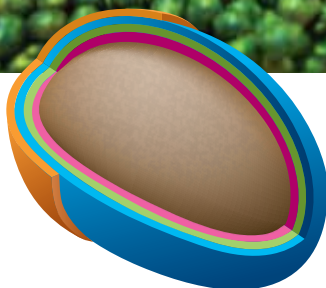
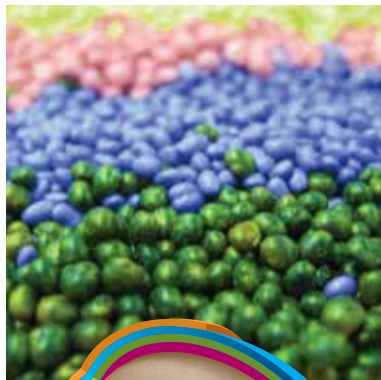
The **UMS SupaCote®** process helps protect your investment in seed.

The purpose of coating is to optimize seed germination, plant emergence and growth, as well as nodulation in legumes.

UMS Supacote® provides broad-spectrum protection against some major insect pests and common soil borne diseases during establishment.

UMS offers you precise and flexible technology to coat and treat seed thanks to its highly-developed batch processing plant.

Ask your UMS area manager or see our website for more information about the features and benefits of **UMS SupaCote®**.



SupaCote®

Plant Breeders Rights

The Plant Breeders Rights (PBR) logo is the hallmark of authenticity and the rights are a form of intellectual property (IP), like patents or trade marks. When we develop a new plant variety, we protect our IP with PBR.

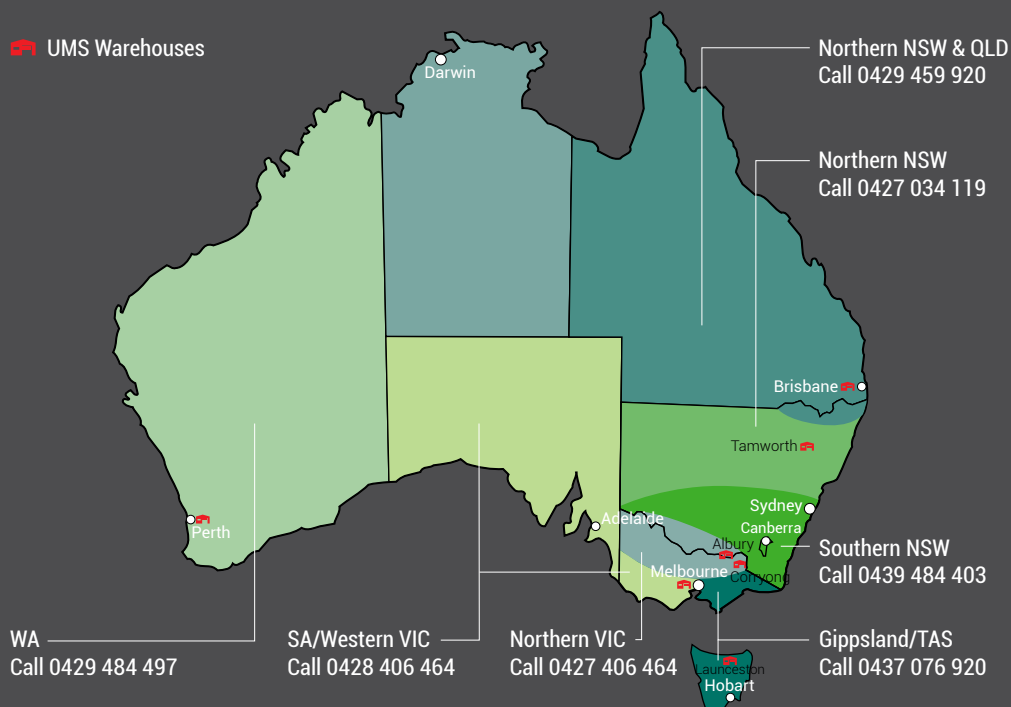
Plant Breeders Rights are granted to the breeder of a new variety to give the breeder exclusive control over the propagating material and harvested material of a new variety for a number of years.

With these rights, the breeder can choose to become the exclusive marketer of the variety, or to license the variety to others. In order to qualify for these exclusive rights, a variety must be new, distinct, uniform and stable.

Upper Murray Seeds' seed breeding program is managed by Sheldon Agri, a private research and development company. Sheldon Agri breeds and produces new pasture seed varieties exhibiting desirable traits that are suited to Australian conditions.



 UMS Warehouses



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