



PITCHPOWER

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Football Foundation

FOOTBALL ASSESSMENT REPORT

WYVERN COLLEGE SPORT AND FITNESS

Hampshire FA

SITE ID:

1004015

INSPECTION ID:

2722



This report has been compiled for Wyvern College and Hampshire FA to provide information on the standard of the football pitches and outlines recommendations on how to improve the quality and maintenance of these pitches

Inspection Window

1 Apr 2021 / 30 Jun 2021

Report Completion Date

6 Nov 2022

Disclaimer: This report has been compiled for Wyvern college and Hampshire FA to provide information on the standard of the football pitches and outlines recommendations on how to improve the quality and maintenance of these pitches

Site Report:

WYVERN COLLEGE SPORT AND FITNESS



WYVERN COLLEGE SPORT AND FITNESS

Ground ID: 1004015

The below RAG Rating indicates how many of your pitches have achieved a PQS grade of Good or better

RAG RATING:	0% ●
Wyvern 2 9v9	● Poor
Wyvern 1 9v9	● Poor

GROUND OVERVIEW

Ash Hendrickx-Nutley GMA/RPA Football
Southwest

Email ahendrickx-nutley@thegma.org.uk

Report completion date 16/11/2022

I have made recommendations to improve the pitch to the good PQS which would be best carried out as an end of season renovation programme . I have also made machinery recommendations to give the club access to 75% machinery grant to purchase the package, I have recommended the club would have more versatile kit to improve the pitches. having a tractor with three-point linkage



Date submitted

06/11/22

Inspection window

1 Apr 2021 / 30 Jun 2021

Next assessment needs to be completed:

1 Jul 2021 / 31 Oct 2021

Reviewed by:

ahendrickx-nutley@thegma.org.uk



enables implements to be attached to the tractor such as a mower, groomer, slitter etc. if the club had their own groomer this would enable the club to groom the pitch regularly, this will help to reduce the thatch levels and prevent its build up.

Please be aware if funding is awarded 2 members of the club must complete a GMA online winter pitches course and two Pitchpower submissions must be submitted each season.

Please submit another assessment in the Jan to March window so that end of season renovation activates can be recommended

Maintenance

Attention required in these areas:

[Decompaction >](#)

[Application of selective herbicide \(weed treatment\) >](#)

[Scarification >](#)

[Surface Grooming >](#)

[Top Dressing \(Renovation\) >](#)

[Overseeding \(Out of season renovation\) >](#)

[Application of fertiliser >](#)

Equipment

Attention required in these areas:

[Compact tractor >](#)

[Mowing equipment >](#)

[Combination turf grooming tool >](#)



Question section

Q. Who looks after the grounds maintenance?

A. Contractor

Q. Renovations

A. No-one

Q. Volunteers

A. 0

Wyvern 2 9v9

Football - junior football 9v9

Pitch ID:

14170

Current PQS grade: ● Poor

Previous PQS grade: No previous grade.

PITCH

Usage & Maintenance

Q. How many total training hours are played on this pitch per week?

A. 0hrs

Q. How many total match play hours are played on this pitch per week?

A. 0hrs

Damaged areas

Q. Select from the list below the type of damaged areas your pitch has.

A. Disease, Waterlogging/ponding

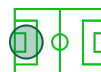
Additional information

Q. Is there anything else you feel we should know about this pitch?

A. Level area, 11v11 to be changed into 2 x 9v9's so to utilise area better. Areas of concern from pooling water in far left corner and extreme compacted sand on opposite side with minimal grass coverage.

Surface profile

Q. How many squares contain grass?



22%

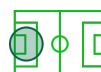


29%



3%

Q. What is the average grass height?



80mm

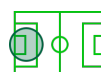


70mm



30mm

Q. Using the same picture, give the percentage of weeds in the picture. The total figure of 'Grass coverage' and 'Weed coverage' should not exceed 100%, so if you can see both grass and weed in the same square count the one that has the most in it.



74%



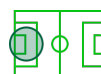
71%



76%

Soil profile

Q. Measure the topsoil depth.



160mm

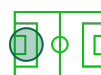


120mm



80mm

Q. Measure the thatch depth.



25mm

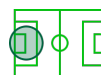


15mm



20mm

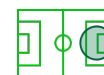
Q. Measure the root depth.



130mm



120mm



110mm

Wyvern 1 9v9

Football - junior football 9v9

Pitch ID:

14169

Current PQS grade: ● Poor

Previous PQS grade: No previous grade.

PITCH

Usage & Maintenance

Q. How many total training hours are played on this pitch per week?

A. 0hrs

Q. How many total match play hours are played on this pitch per week?

A. 0hrs

Damaged areas

Q. Select from the list below the type of damaged areas your pitch has.

A. Pests, Other, None

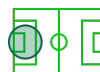
Additional information

Q. Is there anything else you feel we should know about this pitch?

A. The pitch is lightly marked, and goals are not compliant. The area is to be changed into 2 x 9v9's from the current 11v11 set up so they can utilise area more.

Surface profile

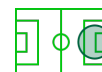
Q. How many squares contain grass?



2%

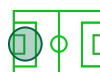


40%



30%

Q. What is the average grass height?



70mm

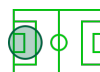


70mm



70mm

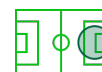
Q. Using the same picture, give the percentage of weeds in the picture. The total figure of 'Grass coverage' and 'Weed coverage' should not exceed 100%, so if you can see both grass and weed in the same square count the one that has the most in it.



59%



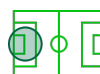
41%



69%

Soil profile

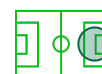
Q. Measure the topsoil depth.



80mm

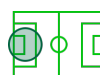


150mm



170mm

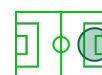
Q. Measure the thatch depth.



30mm

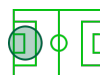


35mm



35mm

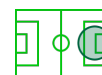
Q. Measure the root depth.



130mm



100mm



140mm

MAINTENANCE

These recommendations are in priority order.

Decompaction

Frequency:

2 x per year

Recommended for:

Whole Ground

Decompaction and aeration aids better penetration of water, air and fertiliser straight to rootzone and improves soil structure and rooting capacity

Vertical tine aeration (Deep spiking)

Use a vertical action machine equipped with 18-24mm solid tines, at correct spacings to the maximum achievable depth. By using a vertical tine machine on the surface twice a year any compaction would lessen, and deeper rooting of the grass plant would be possible. The machine can also apply heave to the tine which if performed at the correct time of year will fissure the ground underneath the surface and allow more air spaces for roots to develop and for rainfall to pass through quicker.

Contractor must assess the site prior to deep spiking. If you have the resource/budget – a decompaction or aeration operation is likely to offer the greatest Improvement, along with adopting good practice

Contractor Cost approx £470 for an 11 v 11 pitch. £336 per 9 v 9 pitch £282 per 7 v 7 pitch

Decompaction –



Decompaction Continued

Linear

An additional method of decompaction to be considered should be in the form of linear blades which will reduce the risk of smear within the soil profile.

The blades on this tractor mounted unit will slice into and through the surface while fracturing the subsoil with minimal surface disturbance.

This operation improves root growth, nutrient uptake and the soils ability to drain.

It is recommended to undertake this operation in the autumn months before the arrival of the harsh winter weather. DO NOT perform this task close to the summer months as the risk of cracks is too great

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Application of selective herbicide (weed treatment)

Frequency:
1 x per year

Recommended for:
Whole Ground

This would be most effective if the chemicals are applied in the growing season usually as part of an end of season renovation programme. Typically mowing should not take place for 3 days before and 3 days after application. (Do not apply in drought conditions it may damage the turf and will not treat weeds effectively) Selective herbicides should be sprayed equipment and paperwork. It should not be applied within 6-8 weeks prior to or after seeding (refer to product label and data sheet) in the dry with little to no wind. Most selective herbicides are rain fast within 24 hours of application. If rain falls prior to this, it could affect the success of weed control. Selective herbicide should be applied at least once per year by a fully qualified professional with the appropriate

Contractor cost approx: £325 per 11v11 pitch, £260 per 9v9 pitch, £195 per mini soccer pitch

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Scarification

Frequency:

1 x per year

Recommended for:

Whole Ground

Due to high thatch levels scarification or fraise mowing may be required to remove the organic matter. medium/long term recommendation for the site is that the pitches could be scarified in multiple directions end of season to remove as much of the weeds and undesirable grasses as possible. Ideally 30 tonnes of a compatible sports sand dressing would then be applied (per full size pitch) followed by over seeding with a suitable Perennial Ryegrass mix using a disc seeder at a rate of 50g/sqm and followed by further deep spiking and fertiliser application. On sites without irrigation it is recommended that scarification is not carried out too aggressively as it presents a greater challenge to reinstate the playing surface. Contractor cost approx: £325 per 11v11 pitch, £260 per 9v9 pitch, £195 per mini soccer pitch (all costs are per directional pass)

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Surface Grooming

Frequency:
Fortnightly

Recommended for:
Whole Ground

If the club were able to source an appropriate tractor and grooming tool regular use of this to rake and brush the surface during the growing season and then to use the surface slitter during the autumn and winter when soil conditions allowed will help to manage the significant thatch levels which will be contributing the drainage issues experienced. Any presence of worm casts should be alleviated by weekly brushing of the surface. Worm casts are unsightly and can smear and cover fine turf grasses. This would also help with thatch build up, dew dispersal, and help to break up any surface debris. Use of the rake and brush attachments should be avoided when new has germinated until its well establish, because the newly germinated seed will have shallow roots and could be ripped out.

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Top Dressing (Renovation)

Frequency:
1 x per year

Recommended for:
Whole Ground

Should budgets permit end of season: ideally 30-60 tonnes per full size pitch – medium/fine sand. Remedial work should be undertaken as a minimum to sand and seed any bare and undulated areas on the pitches particularly goal mouths and centre spots. Make sure any materials used are compatible with your indigenous soil, if dressing localised areas (goal mouths) use a pan shovel to apply little and often is best practice and will avoid smothering the grass. Always keep dressing dry prior to and during application and brush/drag matt in when dry.

Contractor cost approx: £1560 per 11v11 pitch, £1248 per 9v9 pitch, £960 per mini soccer pitch

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Overseeding (Out of season renovation)

Frequency:

1 x per year

Recommended for:

Whole Ground

To improve desirable grass coverage over-seeding is required using a Perennial Ryegrass mix of at least three cultivars. This should be applied using a disc seeder in at least 3 directions which discs the seed directly into the soil at a rate of 30-50gms per m². No less than 10-14 20kg bags. Timing of application is key, as seed will struggle to germinate in dry hot weather without irrigation or cold temperatures when there is not adequate warmth for the seed to establish. Over-seeding using a disc seeder whilst the pitch is in play is an option if weather conditions are more favourable but high wear areas such as goal mouths, penalty spots and centre circles should be repaired and reseeded as early in the close season as possible and combined with a suitable sports sand raked to a tilth covered with germination sheeting and kept watered. Work with a sports seed supplier to identify the best seed mix for your requirements.

Contractor cost approx: £1375 per 11v11 pitch, £1100 per 9v9 pitch, £825 per mini soccer pitch

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Application of fertiliser

Frequency:
2 x per year

Recommended for:
Whole Ground

To increase root depth and density and harden the grass plant for the winter a further application of controlled release fertiliser is recommended following a soil analysis that can be carried out by a suitable materials provider. A minimum of 2 applications per year would be recommended given the soil profile and level of use and in conjunction with an effective aeration programme this will help to improve root depth and density. Controlled release fertiliser is recommended to provide a continuous nutrient level over a greater period than compared with a conventional fertiliser. Some controlled release fertilisers offer 5-6months longevity, and these would be ideal for bi-annual application. Typically, whatever the preferred supplier a suitable fertiliser can be selected for spring/summer (Higher nitrogen content some phosphorus and medium potassium content) and autumn/winter (Low nitrogen content, no phosphorus and high potassium content 2-4% Iron content) Approx. 12 x 20kg bags per full size pitch. It should be that this is an essential part of improving the quality of the pitches, however this will lead to an increase in grass growth and noted a mowing regime of cutting a minimum of once per week will be necessary in the growing season. Contractor cost approx: £650 per 11v11 pitch, £520 per 9v9 pitch, £390 per mini soccer pitch

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Annual budget to carry out recommendations. Please note costs provided are indicative and may vary dependent on quantities and frequency.

£9160



EQUIPMENT

To carry out the maintenance specified above, we recommend the following equipment to carry out the activities.

These recommendations are in priority order.

Compact tractor

30-40Hp compact tractor with turf tyres, ROPS and PTO will enable the use of multiple attachments for pitch A maintenance the cutting deck will also allow regular mowing of the playing surface. This will be more flexible and appropriate equipment than the current mower, easier to maintain and more cost effective to service. 75% funding is available through the Football Foundation towards new equipment and storage containers if required.

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Mowing equipment

Roller Mower

- Tractor mounted
- Working width minimum 180mm

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Combination turf grooming tool

combination turf grooming tool would enable key maintenance tasks such as brushing, raking, slitting, and light rolling to be undertaken simultaneously if desired. When used on the 3-point link of a compact tractor it can be used in conjunction with the tractor and mowing deck allowing 5 operations in 1 hour of m Slitter

- Brush
- Rake
- Light Roller
- Minimum working width circa 180mm

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TRAINING

Click here for information on training courses.

[Visit Training Courses >](#)

Recommended Training

No recommended Training at this time.



Want to apply for funding?

FOOTBALL FOUNDATION FUNDING APPLICATION PORTAL

You could be eligible for a grant to help you carry out the recommendations in this report. Click 'Apply here' and you could be on your way to securing a grant and being a part of our mission to transform this country's grassroots game.

Inspection ID: 2722

To apply for funding visit

<https://apply.footballfoundation.org.uk> >

Training Courses

Further information on any training courses you're recommended to complete can be found on the Grounds Management Association website.

[Visit the GMA >](#)

The Groundskeeping Community

Join the Football Foundation Groundskeeping Community to with groundskeepers across different levels of the game. You'll be able to ask questions and share best practice.

[Join the Groundskeeping Community >](#)

Find out more about the Football Foundation's plan to transform the country's grass pitches

Visit our website, which has lots of information about other resources and funding opportunities we're offering organisations involved in the grassroots game.

[Visit the Football Foundation website >](#)

