



PROFILE SOIL SOLUTIONS SOFTWARE

Getting Started

ProfilePS3.com



Training Module Overview



- PS³ Overview
- Browser Requirements
- Login / Registration
- Navigation
- Project Basics

PS³ Overview



- Profile Soil Solutions Software is the **FIRST AND ONLY** *web-based soil solutions tool integrating all erosion and sediment control disciplines via engineering and agronomic excellence!*
- PS³ is the **ONLY** program to integrate all the major erosion and sediment control disciplines:
 - **Hydraulically-applied Erosion Control Products (HECPs)**
 - **Rolled Erosion Control Products (RECPs)**
 - **Sediment Retention Fiber Rolls (SRFRs)**
 - **Prescriptive Agronomic Formulations (PAFs)**
- PS³ allows for seamless soil testing and reporting of results

PS³ Overview



- Provides design professionals, agencies, contractors and others with a ***holistic and sustainable*** approach towards cost-effective erosion control, vegetative establishment and reductions in sediment and pollutants leaving the site.
- Fundamental to Profile's commitment to be your trusted partner in soil solutions by implementing innovations that work: ***"Solutions for your Environment."***
- Green Design Engineering™ ensures unfailing support from our agronomic and erosion control experts to help select and install the right products for maximum results.

PS³ – What Can It Do For You?



- Facilitates soil testing and resulting diagnostics to improve soil fertility and agronomic sustainability
- Offers considerations for plant species selection
- Provides design, soil preparation & product selection criteria for slopes and channels
- Supplies installation and application guidelines
- Provides inspection and maintenance guidelines
- Houses comprehensive technical reference library

Browser Requirements



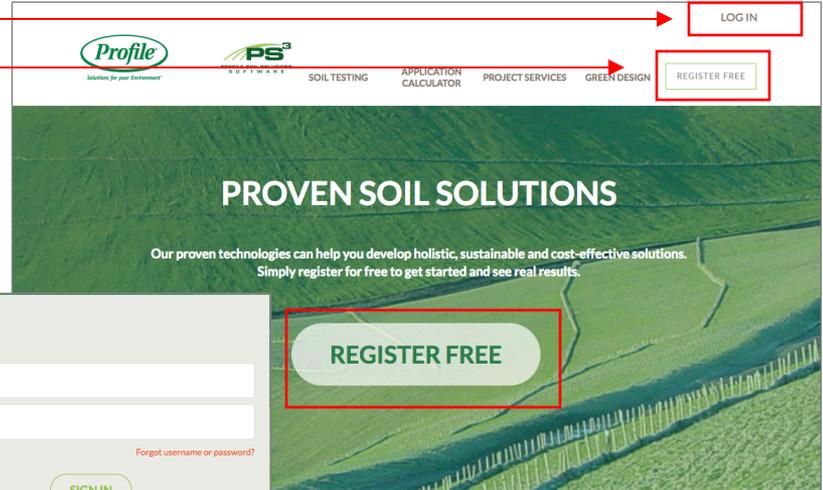
- Internet Explorer 10.0 or higher
- Mozilla Firefox 11.0 or higher
- Other browsers are likely compatible, but have not been verified

LOGIN / REGISTRATION

Click Register Free for a new account.

If you already have a username and password, click Log In and enter your information into the Sign In area.

- Login name and password required for access
- Registration is automated and free



The image shows a detailed view of the login and registration form. It is divided into two main sections: 'LOG IN' on the left and 'SIGN IN' on the right. The 'LOG IN' section features a 'REGISTER NOW' button and a link that says 'Don't have a free account? Register for access'. The 'SIGN IN' section includes input fields for 'Username' and 'Password', a 'SIGN IN' button, and a link that says 'Forgot username or password?'. At the bottom of the form, there is a disclaimer: 'The information you enter into PS3 will be kept in strict confidence and will not be shared with anyone outside of Profile Products.'

REGISTRATION

Fill out the listed information and click the register button.

You will see a success message and a “click here” link to the login screen.

On the Log In screen, enter your username and password to sign in.

YOUR PROJECT IS ABOUT TO GET EASIER

Please complete the following form to activate your PS³ registration:

Already have an account? [SIGN IN](#)

CREATE PROFILE PS3 ACCOUNT

Username

Password Confirm Password

First Name Last Name

Email Phone

Company Name

Street Address

United States City

State Zip

Sign up here for regular product updates

Referred By

I'm not a robot  [Privacy - Terms](#)

[REGISTER](#)

NAVIGATION – HOME PAGE

Click on any of the navigation buttons to move around in the program.

Click on the Get Started or “+” button to start a new project.

The screenshot shows the Profile PS3 user interface. At the top, there is a navigation bar with the following items: MY PROJECTS, OVERVIEW & TUTORIALS, APPLICATION CALCULATOR, PROGANICS CALCULATOR, DOCUMENT LIBRARY, and GLOSSARY. A search icon is also present. Below the navigation bar, the main content area is divided into several sections. On the left, there is a 'WELCOME PS3 USER' section with a 'Sign Out' link and a 'GET STARTED' button. Below this, there are links for 'View Tutorials' and 'PS³ Overview'. On the right, there is a 'MY PROJECTS' section with a '+ Start new project' button and a 'GET STARTED' button. Below this, there are sections for 'APPLICATION CALCULATOR', 'SOIL TESTING', 'PROGANICS CALCULATOR', and 'DOCUMENT LIBRARY'. At the bottom, there is a footer with the Profile logo, copyright information, and social media links.

Profile PS³ SOLUTIONS FOR YOUR ENVIRONMENT

MY PROJECTS OVERVIEW & TUTORIALS APPLICATION CALCULATOR PROGANICS CALCULATOR DOCUMENT LIBRARY GLOSSARY

WELCOME PS3 USER Sign Out

MY PROJECTS Start new project

PS³ can assist with a number of different types of projects providing you with a holistic and sustainable approach towards cost-effective erosion control, vegetative establishment and reductions in sediment and pollutants.

By adding your project to your account, PS³ can:

- Facilitate soil testing and resulting diagnostics to improve soil fertility and agronomic sustainability (make sure you check the YES box on the form)
- Offer considerations for plant species selection
- Provide design, soil preparation and product selection criteria for slopes and channels
- Supply installation and application guidelines
- Provide inspection and maintenance guidelines

GET STARTED

View Tutorials PS³ Overview

APPLICATION CALCULATOR

Find out how much mulch, fertilizer, seed, and amendment should be added to each hydroseeder load and how much you will need for a specific site.

FIND OUT NOW

PROGANICS CALCULATOR

The Profile Proganics Product Calculator is a tool that can be used to find out how much mulch, fertilizer, seed, and amendment should be added into each hydroseeder load and how much you will need for a specific site.

CHECK NOW

SOIL TESTING

Efficiently process your soil test by following these steps.

START A NEW TEST

COLLECT

Collect samples and fill out form.

SEND

Mail sample and completed form to Profile.

ANALYZE

We analyze and interpret the results.

DOCUMENT LIBRARY

A comprehensive library of marketing and reference materials at your disposal.

GLOSSARY

Refer to the Glossary for our most used terms and definitions.

TIP: BY DRIVING THE BULLDOZER UPHILL, THE TRACK GROOVES CREATE A BETTER SURFACE FOR APPLICATION.

Profile PS³ SOLUTIONS FOR YOUR ENVIRONMENT

MY PROJECTS OVERVIEW & TUTORIALS APPLICATION CALCULATOR PROGANICS CALCULATOR DOCUMENT LIBRARY GLOSSARY

ABOUT CONTACT US HELP SIGN OUT MY ACCOUNT

Profile Copyright © 2014, All Rights Reserved. Order: ps3@profile.com CONNECT

All Program Tutorials
will be available here.

NAVIGATION – PS³ OVERVIEW & TUTORIALS

The screenshot shows the PS³ website navigation menu at the top, with 'OVERVIEW & TUTORIALS' highlighted in a red box. Below the menu is the 'OVERVIEW & TUTORIALS' page, which includes a 'Dashboard' section with a welcome message, an 'OVERVIEW' section with a description of the software and a 'Download PS³ Overview' link, and a 'TUTORIALS' section with 'Download Getting Started Guide' and 'Download Advanced Training Guide' links. The page also features a 'WHO IS PROFILE?' section and a 'UTILIZE SOIL TESTING TO CHOOSE THE RIGHT PRODUCTS FOR YOUR PROJECT' section with a 'START A NEW TEST' button and 'View Tutorials' link.

TUTORIALS

PS³ has a variety of tutorials that provide you the valuable knowledge needed for your current or future project.



Download Getting Started Guide



Download Advanced Training Guide

NAVIGATION – DOCUMENT LIBRARY

All available supporting information for Products used with PS³ – including Brochures, SDS, Specifications, CAD Details, Certifications, Case Studies, Application Guides, etc.

The screenshot displays the Profile PS3 Document Library interface. At the top, the navigation menu includes: Profile, PS³, MY PROJECTS, OVERVIEW & TUTORIALS, APPLICATION CALCULATOR, PRODUCTIONS CALCULATOR, DOCUMENT LIBRARY (highlighted with a red box), GLOSSARY, and a search icon. The main content area is titled "DOCUMENT LIBRARY" and contains a brief description of the library's purpose. Below this, there are two panels: "Folders" and "Files".

Folders

- Document Library
 - Accessories
 - DECPs - Dry-Applied Erosion Control Products
 - Golf - PPC - Profile Porous Ceramics
 - HECPs - Hydraulically-Applied Erosion Control Products
 - PAFs - Prescriptive Agronomic Formulations
 - RECPs - Rolled Erosion Control Products
 - SCPs - Sediment Control Products
 - Turfcore - Sports Field Conditioners
 - Articles and Papers
 - Design References
 - Technical Bulletins
 - Training Modules

Files

- Profile Products Warranty Informat...
- PS3 International Shipping Instruct...
- PS3 Overview Handout.pdf
- PS3 Overview Handout_es.pdf
- PS3 Terms and Conditions.pdf

The interface also shows a sidebar with a "Files" section listing various documents like "Profile Products Warranty Information...", "PS3 International Shipping Instructions", "PS3 Overview Handout.pdf", "PS3 Overview Handout_es.pdf", and "PS3 Terms and Conditions.pdf". At the bottom, there is a footer with navigation links (Welcome, My Projects, Overview & Tutorials, Application Calculator, Productions Calculator, Document Library, Glossary, About, Contact, Corporate Site, Help) and a "SIGN OUT" button with "My Account" below it. Social media icons for YouTube and Facebook are also present, along with the text "CONNECT". The footer also includes the copyright notice: "Copyright © 2016 PPS All Rights Reserved. Get the profile.com".

Update your contact information or change your password on the “My Account” page.

NAVIGATION – MY ACCOUNT

MY ACCOUNT

CONTACT US

CORPORATE SITE

SIGN OUT

ACCOUNT INFORMATION

PS3 User

testing

602-123-4567

test101@test.com

CHANGE PASSWORD

Existing Password

New Password

Repeat Password

SUBMIT

The screenshot shows the PS3 My Account page. At the top, there is a navigation menu with links for DOCUMENTS, APPLICATIONS, PROJECTS, TUTORIALS, CALCULATOR, PROGRAMS, DOCUMENT LIBRARY, and GLOSSARY. A red box highlights the 'MY ACCOUNT' link. Below the navigation is a dashboard area with a 'HELLO PS3 USER' message and a 'SIGN OUT' button. A tip box suggests driving the tractor uphill to track ground. There are links for 'Watch Tutorial' and 'PSF Overview'. The main content area is divided into three sections: 'ACCOUNT INFORMATION' with fields for 'PS3 User', 'testing', '602-123-4567', and 'test101@test.com'; 'CHANGE PASSWORD' with fields for 'Existing Password', 'New Password', and 'Repeat Password'; and 'CREATE / UPDATE COMPANY PROFILE' with fields for 'Last', 'EDHMs', 'United States', 'Phone #', 'Phone #', and 'Email'. A 'SUBMIT' button is located at the bottom of each section. The footer contains the PS3 logo, copyright information, and social media links.

PROJECT BASICS – ADD/EDIT PROJECT

Click here to start a new project

Profile PS3 MY PROJECTS OVERVIEW & TUTORIALS APPLICATION CALCULATOR PROGNOSIS CALCULATOR DOCUMENT LIBRARY GLOSSARY

WELCOME PS3 USER

PS3 can assist with a number of different types of projects providing you with a holistic and sustainable approach towards each effective erosion control, vegetation establishment and reductions in sediment and pollutants.

By adding your project to your account, PS3 can:

- Facilitate soil testing and resulting diagnostics to improve soil fertility and improve sustainability (make sure you check the YES box on the form)
- Offer considerations for plant species selection
- Provide design, soil preparation and product selection criteria for erosion control
- Supply installation and application guidelines
- Provide inspection and maintenance guidelines

GET STARTED

View Tutorials | PSP Overview

APPLICATION CALCULATOR

Find out how much mulch, fertilizer, seed, and amendment should be added to each hydroseeder load and how much you will need for a specific site.

FIND OUT NOW

PROGNOSIS CALCULATOR

PREVIEW PROGNOSIS REPORT
Calculator to help find out how to use to find out how much mulch, fertilizer, seed, and amendments should be added into each hydroseeder load and how much you will need for a specific site.

CHECK NOW

SOIL TESTING

Early process your soil test by following these steps.

START A NEW TEST

COLLECT
Collect sample and fill out form

SEND
Mail sample and completed form to Profile

ANALYZE
We analyze and interpret the results.

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A comprehensive library of our training and reference material (P&S or other devices).

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Refer to the glossary for our most used terms and definitions.

TIP: BY DRIVING THE BULLDOZER UPHILL, THE TRACK GROOVES CREATE A BETTER SURFACE FOR APPLICATION.

Profile PS3 My Projects | Application Calculator | Document Library | Glossary | About | Contact | Company Info | Help | SIGN OUT | My Account

CONNECT | Copyright © 2014 Profile and Rights Reserved. Get it, profile.com

On the project entry form, check "yes" if you would like to obtain a soil testing input form to perform a soil analysis for this project.

Project Name

User Project Number

File Number

Project Type

Estimated Project Start Date

Units English Metric

Estimated Project Size (Acres)

Project Stage

Active

Project Address

Project City

Country

Request Soil Test Yes No
You must check "Yes" if you would like to obtain a FREE soil test for this project.

Request Assistance Selecting Vegetation Yes No
Get help selecting the right vegetation for your project

Notes

Attached Files no files selected
Please upload any files that are specific to this project (Specs, CAD Drawings, etc.).
Additional files can be uploaded after the project is created. Click "Edit Project" on the project page.

SAVE Delete

PROJECT BASICS - AGRONOMICS

View/Print Soil Input form here (click on link to download the pdf).

Profile PS³ HYPROJECTS

HYPROJECTS

Project: 3455-0001
Project Name: Temp Project
User: PS3 User Testing Basic/DC
Name: test.CH2@hawaii.gov
MO: 808-4957
User Project Number: 001
File Number: 2017
Project Type: Sample
Estimated Project Start Date: 10/26/2017
Estimated Project End Date: 100
Project Stage: In Planning
Action: Test
Location: 1234 Temp Address
Colorado, Denver
United State
Nearest City/County: Temp City
State: English
Soil Tests: ProfileSoilTestInputForm_3455-0001-1.pdf
Click here to open your plant species selection questionnaire.

Get help selecting the right vegetation for your project

United States
Nearest City/County: Temp City
Units: English
Soil Tests: [ProfileSoilTestInputForm_3455-0001-1.pdf](#)
[Click here to open your plant species selection questionnaire.](#)

Just how much will the typical analysis component application cost on your project? There are many aspects of purchasing and applying test and control that get complicated when calculating total costs. With the Production Costs and Savings Calculator, you can estimate your all-in response component application costs and compare them to the most Profitable BSM Control for your project.

Order your project information to calculate the possible cost savings ProfitCare BSM can offer when used in place of Topsoil or Compost.

SLOPE LIST CHANNEL LIST

Profile PS³ Hyprojects
Copyright © 2014 Profile Soil Solutions. All Rights Reserved. Get the most out of your investment.

CONNECT

PROJECT BASICS - AGRONOMICS

Form has sample collection instructions and packing/shipping guidance.

| | | | | | |
|---|---------------------------|--|---------------------|--|---------------------|
|  <i>Solutions for your Environment™</i> | | Profile Soil Analysis Laboratory 300 Speedway Circle, Suite 2 Lincoln, NE 68502 800-508-8681 | | Master Account No. 2861310 Soil Test Input | Report Type: |
| | | Report No. | 3455-0001-1 | | |
| Project Name: | | Temp Project | | | |
| Project City: | | Denver | | | |
| Project State: | | Colorado, United States | | | |
| Date Samples Shipped: | | | | | |
| Sample No. | Sample Description | Location of Sample | Lab Use Only | | |
| 1 | | | | | |
| 2 | | | | | |

PROJECT BASICS - AGRONOMICS

Once results are complete, you will be emailed and then can login to view them.

Basic Soil Testing results are provided along with the appropriate Prescriptive Agronomic Formulations to help ensure your project establishes vegetation.

SOIL NEUTRALIZER AND GROWTH STIMULANT PRODUCT RECOMMENDATIONS BASED ON SOIL ANALYSIS

| Sample (#) | Aqua-pHix™ (gal/acre) | NeutraLime™ ³ (lb/acre) | JumpStart™ (gal/acre) | BioPrime™ (lb/acre) | Soluble Gypsum (lb/acre) | ProGanics™ BSM (lb/acre) |
|------------|-----------------------|------------------------------------|-----------------------|---------------------|--------------------------|--------------------------|
| 1 | 0 | 160 | 2.5 | 80 | 500 | 4500 |
| 2 | 0 | 0 | 3.75 | 120 | --- | 4500 |

SOIL ANALYSIS RESULTS

| Sample (#) | Texture (USDA) | Sand (%) | Silt (%) | Clay (%) | Soil pH (6.3 - 7.3) | TDS ¹ (ppm) (< 256) | SAR ² (< 2) | Organic Matter (%) (3 - 5%) | CEC % Sodium ⁴ (%) (< 2%) |
|------------|----------------|----------|----------|----------|---------------------|--------------------------------|------------------------|-----------------------------|--------------------------------------|
| 1 | Sand | 90.4 | 4.8 | 4.8 | 5.1 | 486.4 | 0.2 | 0.8 | 3.2 |
| 2 | Sandy Loam | 72.4 | 24.8 | 2.8 | 7.2 | 1792 | 0.3 | 1 | 0.1 |

(Optimum Plant Growth Conditions)

| Sample (#) | NO ₃ ⁻ (lb/acre) ⁵ | PO ₄ ⁻³ (lb/acre) ⁵ | K (lb/acre) ⁵ | Ca (lb/acre) ⁵ | Mg (lb/acre) ⁵ | Zn (lb/acre) ⁵ | Mn (lb/acre) ⁵ | Cu (lb/acre) ⁵ | Fe (lb/acre) ⁵ | B (lb/acre) ⁵ | SO ₄ (lb/acre) ⁵ |
|------------|---|--|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--|
| 1 | 2.94 | 1.04 | 11.73 | 460 | 24.31 | 0.2 | 0 | 0.4 | 89.2 | 0.4 | 608.06 |
| 2 | 7.64 | 0.62 | 25.80 | 25468 | 87.25 | 0.4 | 0 | 0.6 | 56.6 | 4.6 | 2753.08 |

Notes: 1. Total Dissolved Solids, 2. Sodium Absorption Ratio, 3. NeutraLime is also available in a liquid form, please contact a Profile representative with questions. 4. Sodium as % Base Saturation Cation Exchange Capacity (CEC), 5. lb/acre associated with a 4-inch depth.



SOIL TEST RESULTS

Project: 220407-1

Project Name: Test
Project Number: 1017
File #: 1017
Location: 123
Date: 10/10/2010
User: Test 101

SOIL SAMPLE LOCATIONS AND DESCRIPTIONS

| Sample # | Location | Description |
|----------|----------|----------------|
| 1 | MIDDLE | SAND/LOAM/FILL |
| 2 | BOTTOM | SAND/LOAM/FILL |

**SOIL NEUTRALIZER AND GROWTH STIMULANT PRODUCT RECOMMENDATIONS
BASED ON SOIL ANALYSIS**

| Sample # | Aqua-pHix™ (gal/acre) | NeutraLime™ ³ (lb/acre) | JumpStart™ (gal/acre) | BioPrime™ (lb/acre) | Soluble Gypsum (lb/acre) | ProGanics™ BSM (lb/acre) |
|----------|-----------------------|------------------------------------|-----------------------|---------------------|--------------------------|--------------------------|
| 1 | 0 | 160 | 2.5 | 80 | 500 | 4500 |
| 2 | 0 | 0 | 3.75 | 120 | --- | 4500 |

SOIL ANALYSIS RESULTS

| Sample # | Texture (USDA) | Sand (%) | Silt (%) | Clay (%) | Soil pH | TDS ¹ (ppm) | SAR ² | Organic Matter (%) | CEC % Sodium ⁴ (%) |
|----------|----------------|----------|----------|----------|---------|------------------------|------------------|--------------------|-------------------------------|
| 1 | Sand | 90.4 | 4.8 | 4.8 | 5.1 | 486.4 | 0.2 | 0.8 | 3.2 |
| 2 | Sandy Loam | 72.4 | 24.8 | 2.8 | 7.2 | 1792 | 0.3 | 1 | 0.1 |

GENERAL FERTILIZATION GUIDANCE

- Use a starter fertilizer high in Phosphorus, apply 40 to 80 lbs/acre depending on the plant material intended for establishment.
- Control soil moisture to keep the recommended fertilizer available for your intended plants.
- Water often, about 1 inch or 1/2 inch of water should be applied to a total equivalent of 1 inch of precipitation per week during general fertilization recommendations.

INSTRUCTIONS/GUIDANCE/NOTES

- Supplementary Agriculture or Published Literature applications may be necessary in acidic soils. Contact Profile Technical Services at 800-451-4517 for more information.
- The maximum application rate for Aqua-pHix application with sand is 500 gal/acre water to 1 part Aqua-pHix. For example, do not mix more than 50 gal/acre of Aqua-pHix to 500 gal/acre of water. Higher water to Aqua-pHix ratio will result in less acid.
- Water with Aqua-pHix well in advance.
- Apply Aqua-pHix to a very planting and establish. Should apply Aqua-pHix to the soil with 800 gal of water per acre, and 1 bushel of fertilizer as a nutrient. These come back with rainfall, wind and erosion events.

Profile PS
Solutions for your Environment

Account: Test 1017
Company: Profile
Address: 123
City: Test 101

Sign Out
My Account

CONNECT

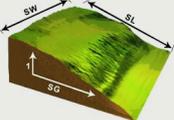


PROJECT BASICS - SLOPES

Input the necessary information to determine the most appropriate erosion control products for your slope.

Click Save to calculate.

Click on any of the “?” to get more information.



Slope Name

Functional Longevity

Supporting Practices Factor (P)

Soil Density (Y) lb/ft³

Thawing Soils? Yes No

Soil Loss Limit (SLL) in

Slope Length (SL) ft

Slope Gradient (SG) H:1 V

Slope Width (SW) ft

Soil Type (K Factor)

Expected Final Cover Type

Rainfall Factor (R)

Desired Growth Improvement Factor (G)

Tank Size gal

PROJECT BASICS - SLOPES

Click on any of the products to view more details as shown to the right for "Flexterra."

Click on "Documents" to see all Flexterra documents, "Printable Report" to view a printable summary report, or "Comparison" to view details for two products side by side.

Product Selection

Click on a product in the list below to view application detail

Acceptable HECPs

| Product | Factor of Safety (FS) |
|------------------|-----------------------|
| CocoFlex | >10 |
| Flexterra HP-FGM | >10 |
| Hydro-Blanket | 7.3 |
| ProMatrix EFM | 7.3 |
| Terra-Matrix | 3.6 |
| Seed Aide Aero | 2 |

Acceptable TRMs

| Product | Factor of Safety (FS) |
|-----------------|-----------------------|
| GreenArmor 7010 | >10 |
| GreenArmor 7020 | >10 |
| GreenArmor R45 | >10 |
| GreenArmor 7003 | >10 |

HECP Product Application

Flexterra HP-FGM

| | |
|------------------------------------|-------------------------|
| Product C-Factor | 0.001 |
| Factor of Safety (FS) | >10 |
| Annual Soil Loss (with Product) | 9 lb/acre, 0 in |
| Annual Soil Loss (without Product) | 9208 lb/acre, 0.0276 in |

| | |
|-----------------------------|--------------|
| Functional Longevity | ≤18 Months |
| Growth Establishment Factor | 800% |
| Suggested Application Rate | 3000 lb/acre |
| Job Size | 0.034 acres |

of Tanks per Acre

10.89

Estimated # of Bags

3

of Bags per Tank

8

Total # of Tanks

0.4

[Documents](#) | [Printable Report](#) | [Comparison](#)

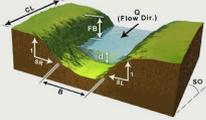
The screenshot shows the Profile PS3 software interface. At the top, there are navigation tabs: Home, PROJECTS, TOOLS, APPLICATIONS, REPORTS, ACCOUNT, and HELP. The main area displays a 3D model of a slope with a green vegetated area. Below the model, there are application details for Flexterra HP-FGM, including a table for HECP Product Application and a table for Acceptable HECPs. The interface also includes a 'Product Selection' section with a table of products and their Factor of Safety (FS) values. At the bottom, there are links for 'Documents', 'Printable Report', and 'Comparison'. The footer contains the Profile PS3 logo and contact information.

PROJECT BASICS - CHANNELS

Input the necessary information to determine the most appropriate product for channel stabilization.

Click Save to calculate.

Click on any of the “?” to get more information.



Channel Name

Channel Shape **Trapezoidal** ⓘ

Functional Longevity **>36 months** ⓘ

Existing Soil Description **Silty Clay Loam** ⓘ

Flow **Discharge (Q)** ft³/s ⓘ

Bottom Width (B) ft ⓘ

Right Side Slope (SR) H:1V ⓘ

Left Side Slope (SL) H:1V ⓘ

Longitudinal Channel Slope (SO) ft/ft ⓘ

Retardance Class **C** ⓘ

Grass Growth Form **Sod** ⓘ

Cover Density **Very Good (80-90%)** ⓘ

Channel Length (CL) ft ⓘ

Required Freeboard (FB) **1** ft ⓘ

Channel Bend Yes No

Tank Size **1000** gal ⓘ

SAVE Delete

PROJECT BASICS - CHANNELS

Click on any of the products to view more details as shown to the right for "GreenArmor 7020."

Click on "Documents" to see all GreenArmor 7020 documents, "Printable Report" to view a printable summary report, or "Comparison" to view details for two products side by side.

Product Selection

Click on a product in the list below to view application detail

TRMs

| Product | Factor of Safety (FS) | |
|--------------------------------|-----------------------|----------------|
| | Unvegetated | Vegetated |
| GreenArmor R45 | 4.3 | > 10 |
| GreenArmor 7020 | 4.1 | > 10 |
| GreenArmor 7010 | 2.4 | 6.4 |
| Futerra R45 TRM - Soil Filled | 1.5 | > 10 |
| Futerra 7020 TRM - Soil Filled | 1.5 | > 10 |
| GreenArmor 7003 | 1.4 | 4.8 |
| Futerra 7010 TRM - Soil Filled | 1.1 | 6.4 |
| Futerra 7003 TRM - Soil Filled | 0.4 | 4.8 |

Notes
- Products **listed in red** do not satisfy both the unvegetated and vegetated project conditions. It is recommended to select a product that satisfies **both** the unvegetated and vegetated project conditions.

TRM Product Application

GreenArmor 7020

| | |
|------------------------------|--------------------------|
| Unveg. Solved Depth, du | 0.88 ft |
| Unveg. Product Roughness, nu | 0.02 |
| Unveg. Flowrate, Q | 65.06 ft ³ /s |
| Unveg. Velocity, V | 5.85 ft/s |
| Maximum Unveg. Shear, TMU | 0.55 lb/ft ² |
| Unveg. Factor of Safety, FSU | 4.1 |

| | |
|----------------------------|--------------------------|
| Veg. Solved Depth, dv | 2.01 ft |
| Veg. Product Roughness, nv | 0.093 |
| Veg. Flowrate, Q | 64.99 ft ³ /s |
| Veg. Velocity, V | 2.01 ft/s |
| Maximum Veg. Shear, TMV | 1.26 lb/ft ² |
| Veg. Factor of Safety, FSV | > 10 |

| | |
|-------------------------|----------------------|
| Functional Longevity | > 36 Months |
| TRM Coverage Area + 12% | 3079 yd ² |

[Documents](#) | [Printable Report](#) | [Comparison](#)

| | |
|----------------------------|------------------|
| Required Infill Product | Flexterra HP-FGM |
| Suggested Application Rate | 3500 lb/acre |
| Job Size | 0.568 |
| # of Tanks per Acre | 9.24 |
| Estimated # of Bags | 42 |
| # of Bags per Tank | 8 |
| Total # of Tanks | 5.3 |

The screenshot displays the Profile PS3 software interface. At the top, there's a navigation bar with 'Profile PS3' and various tool icons. Below that, a 3D visualization of a channel cross-section is shown. The main content area is titled 'Product Selection' and contains a table with columns for 'Unvegetated' and 'Vegetated' conditions. The 'GreenArmor 7020' product is highlighted in red in the table, corresponding to the red text in the 'Product Selection' screenshot. Below the table, there are sections for 'Notes' and 'Documents | Printable Report | Comparison'.

QUESTIONS?

Contact Profile Technical Services at:
Tech@profileproducts.com

