



# Feed Milling Operations

## Highfield Accreditation Programme Summary

Start Date: 08/04/2019

Review Date: 30/04/2020

Revision: 1



## Contents

<b>Introduction .....</b>	<b>3</b>
<b>Programme objective and content.....</b>	<b>3</b>
<b>Geographical coverage .....</b>	<b>3</b>
<b>Delivery guidance.....</b>	<b>3</b>
<b>Quality assurance and standardisation.....</b>	<b>3</b>
<b>Tutor /Assessor Requirements.....</b>	<b>4</b>
<b>ID requirements .....</b>	<b>4</b>
<b>Programme Content .....</b>	<b>4</b>



## Feed Milling Operations

### Introduction

This summary is designed to outline all information related to this Highfield Accredited Programme for Apheya Animal Nutrition.

This programme is written and owned by Apheya Animal Nutrition and accredited by Highfield.

This is not a regulated qualification, nor is it recognised by the regulators of England, Wales, Northern Ireland or Scotland (Ofqual, Qualifications Wales, CCEA and SQA).

**Under no circumstances should this programme be represented to be a qualification or that it is recognised by any qualification regulator.**

---

### Programme objective and content

This programme is aimed at learners currently or hoping to be employed in the sector.

On day 1 this programme covers: milling, the intake, storage, weighing mixing and grinding of raw materials as well as the process control equipment used.

Day 2 covers the pressing of pellets as well as sieving, oil coating and the storage, loading and transportation of finished products.

Day 3 covers animal feed, microbiological, chemical and physical contamination of feed and well as controlling hazards and legislation and feed assurance schemes.

---

### Geographical coverage

This learning programme is suitable for learners in the UK and internationally.

---

### Delivery guidance

This programme is made up of 18h 30mins GLH, full details of all content can be found on pages 4-5 of this document.

To effectively deliver this programme, the centre must have the following resources in place:

- PowerPoint
  - Laptop
  - Screen
  - Suitable tables and seating
- 

### Quality assurance and standardisation

The centre conduct yearly standardisation between programme writers.

Feedback is collected from mill managers and used to make future improvements to delivery of the programme.

There are currently 3 tutors with specialist expertise, new tutors will be trained and assessed before they are able to deliver this programme.

---



## Tutor requirements

These requirements will be the responsibility of the centre to enforce.

Tutors/assessors for this programme are required to:

- hold or be working towards a relevant tutor qualification i.e. L3 Education and Training;
- hold a Level 4 Food Safety qualification;
- have practical experience in the feed manufacturing industry; and
- have experience in feed quality requirements and legislation.

## ID requirements

It is the responsibility of the centre to have systems in place to ensure that the person attending is indeed the person they are claiming to be.

## Programme Content

### Module 1 – Principles of Milling, Mill Operations and Maintenance

	<u>Day 1</u>	
<u>Time</u>	<u>Section</u>	<u>Resources</u>
09.00-09.30	Introductions and Course Instructions	<u>n/a</u>
09.30-10.00	Overview of Milling	<u>n/a</u>
10.15-12.30	Intake, raw material storage, weighing and Mixing	Intake and grinding PowerPoint Slides 1-40
12.30-13.15	<b>LUNCH</b>	
13.15-15.30	Grinding	
15.30-17.00	Process Control	Process control PowerPoint Slides 1-62



<b>Day 2</b>		
09.00-12.30	Pellet Press Optimisation	Pellet Press Optimisation PowerPoint Slides 1-55
12.30-13.15	<b>LUNCH</b>	
13.15-17.00	Sieving, oil coating, finished product storage, loading and transportation	

### **Module 2 – Feed Quality Assurance and Feed Hygiene**

<b>Day 3</b>		
<b><u>Time</u></b>	<b><u>Section</u></b>	<b><u>Resources</u></b>
09.00-09.15	Introductions	Feed Quality Assurance and Feed Hygiene PowerPoint Pt1: Slides 1-76 Pt2: Slides 1-62
09.15-09.45	Animal Feed in the Food Chain	
09.45-10.30	Microbiological Contamination of Feed	
10.45-12.00	<b>Break</b>	
12.00-12.30	Chemical and Physical Contamination of Feed	
<b>12.30-13.30</b>	<b>Lunch</b>	
13.30-14.30	Controlling Hazards and Pre-requisite Programmes	
14.30-14.45	<b>Break</b>	
14.45-16.00	Legislation and Feed Assurance Schemes	
18 h 30 mins		