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В справочник включены условия получения сыров различных видов, его физико-химический состав и свойства. Приведены способы получения молока и переработки. Большое внимание уделено производству бактериальных заквасок и препаратов. Приведены оптимальные технологические параметры производства сыров. Рассмотрены вопросы хранения сыра и способы его транспортировки.

Для специалистов пищевой промышленности.



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ПРЕДИСЛОВИЕ

Постоянное внимание партии и правительства к сыродельной отрасли промышленности, считающейся одной из основных продуктов питания, позволяет непрерывно совершенствовать технологию сыров и развивать сыродельную базу сыроделия в стране. В результате за короткий исторический период Советской Союз вывел на производство сыров на второе место в мире.

Продовольственная программа СССР, которая занимает центральное место в планах развития страны, предусматривает и в дальнейшем ускоренное развитие сыродельной промышленности.

Сыроделье возникло, как только человек научился доить домашних животных. В оставшейся, большей части молока по окончании бактериальной фазы происходило спонтанное сквашивание и ферментация составных частей его молочнокислыми микроорганизмами. Образовавшийся сгусток сквашивался и отделялся от сыворотки. Сливки сыворотку, человек получал простейший сыр. Слово курт, которое использовалось, очевидно, для обозначения этого сыра, можно встретить в различных языках.

Никогда раньше, молочнокислые сытаны, что получали молоко, а следовательно, и его простейшая переработка на сыр были известны человеку 65—5 тысяч лет до н. э. С тех пор, с каждым истощением спелости сыра получали все большее распространение, рассматривались как один из важнейших продуктов питания и применялись во все более широком и уютом жилого мира. До XIX в. сыроделье почти целиком зависело от местных условий. Состав коров и породы домашних животных обуславливали свойства, биологический и микробиологический состав молочного сыра, а климатические условия и традиции в технологии определяли, какими будут сыры, изготовленные в конкретной местности. Так появились и сохранили свои отличительные признаки сыры антитальской, гюзда, восточной, голландской крупной, стальной, рошфор, камамбер, латвийской, чеддер, пармезан, сулугуни, грузинский, чизик и многие другие.

В прошлом сыроделье сыродели стало терять локальный характер. Экспериментальная работа показала необходимость искусственного культивирования смеси молочнокислых микроорганизмов определенного состава, а также выбора молочного сыра с определенными свойствами и составом.

В XX в. появилась возможность управлять процессами получения молока с заданными биологическими и технологическими показателями, выращивать и контролировать специально бактериальные закваски, осуществлять разнообразные физико-химические и биологические процессы обработки сыра, а также производить продукты. В результате появилось большое количество видов различных сыров. В настоящее время ассортимент сыров, насчитывающий более 500 наименований, продолжает увеличиваться.

Постоянное внимание потребителей к сыру можно объяснить его высокой биологической ценностью, широким гаммой вкусовых оттенков и способностью длительно храниться. Следует отметить, что в последние десятилетия получил широкое подтверждение тот факт, что образующиеся при сыроделье сыры короткого созревания из закваски — ацидофильны — имеют такую же биологическую активность, как закваски в сыровых.

Наряду с сыром огромную популярность у населения находят также творог и сыровый-творожный изделия. Производство их составляет около трети тонн и может рассматриваться вместе с выпуском кисломолочных продуктов как мощный стимулирующий фактор сохранения и улучшения здоровья трудящихся страны.

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